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New Nouveau
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Natural Resources
Minerals, Policy and Planning

PALYNOLOGICAL DATA FOR UPPER DEVONIAN–CARBONIFEROUS STRATA OF SOUTHEASTERN NEW BRUNSWICK

(NTS 11 L/04; 21 H/10, 15, 16; and 21 I/01, 02)

Clint St. Peter and Susan Johnson (compilers)

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Palynological Data for
Upper Devonian–Carboniferous
Strata of Southeastern New Brunswick

Format: Microsoft Access 2003

Database size: approximately 0.5 MB

Availability: digital file only

Funding: The palynological assemblage studies were funded by Natural Resources Canada National Mapping Program **(NATMAP)** 1994–1997 **Maritimes Basin Project**, and by the New Brunswick Department of Natural Resources, Minerals, Policy and Planning Division regular budget. The database is a product of the NATMAP Maritimes Basin Project.

Recommended citation:

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Prepared for:

Minerals, Policy and Planning Division
Department of Natural Resources
Province of New Brunswick

Hon. Keith Ashfield
Minister of Natural Resources

March 2005

DATABASE DESCRIPTION

The New Brunswick Palynological Database is a compilation of spore assemblage and age data for Upper Devonian–Carboniferous strata in Albert and Westmorland counties, southeastern New Brunswick (Figure 1). Information in the database was collected primarily by Clint St. Peter and Susan Johnson of the New Brunswick Department of Natural Resources (DNR) as part of the NATMAP Maritimes Basin Project (1994–1997). The database also includes all available spore data from previous and subsequent mapping studies, most of which were conducted by Clint St. Peter. Samples in this database were obtained from outcrops, borehole cuttings, and core. Archived samples from previous work were reassessed using current lithostratigraphic and spore zonation schemes.

The palynological assemblage studies cited here were carried out chiefly by Dr. Graham Dolby, consultant palynologist from Calgary, Alberta. Most of these data are sourced directly from his original unpublished reports.

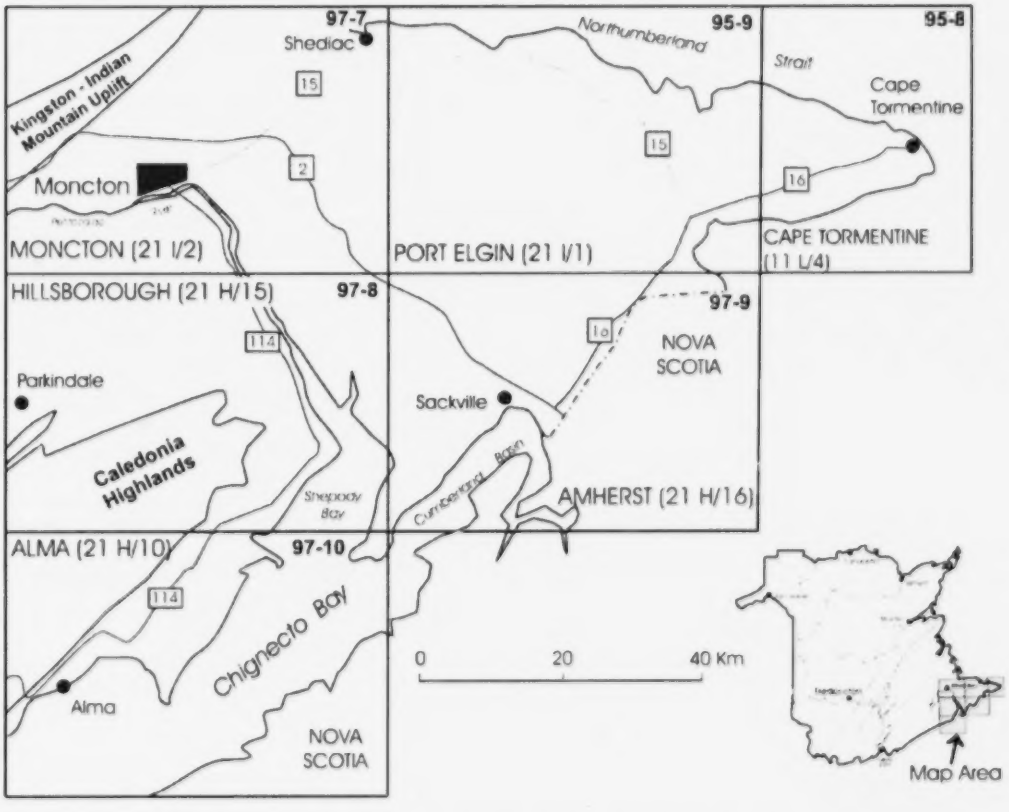

Figure 1. Index map of geological map areas covered by the New Brunswick Palynological Database. Shows NTS designations (e.g., MONCTON 21 I/2) and DNR map plate numbers (e.g., 97-7).

DESCRIPTION OF DATABASE FIELDS

1. The *location* for each sample in the New Brunswick Palynological Database is spatially referenced using the following database fields:

LocRefNo (Location Reference Number): Indicates the unique sample number linked to a set of six 1: 50 000-scale bedrock geology maps. The maps appear on Figure 1 as DNR Map Plates No. 95-8, 95-9, 97-7, 97-8, 97-9, and 97-10.

SampleNo: For samples collected in the field, SampleNo refers to the assigned outcrop number. For samples collected from borehole cuttings and diamond drill core, SampleNo indicates the borehole/core label and depth (in feet or metres, as per coding in the original drill log).

NTS (National Topographic Series map): Indicates the 1: 50 000-scale NTS map on which the sample is located (see Figure 1).

Lat (N): Gives latitude of sample location in degrees, minutes and seconds, showing the decimal, if known precisely (e.g., 46° 02′ 30.5″).

Long (W): Gives longitude of sample location in degrees, minutes and seconds, showing the decimal, if known precisely (e.g., 64° 33′ 44.3″).

2. The *stratigraphic position and spore assemblage data* for each sample are described in the remaining database fields as follows:

Formation: Gives the lithostratigraphic unit from which the sample was collected.

Assemblage/Remarks: Provides detailed spore assemblage data for each sample. Data include species that were identified, remarks on their condition, abundance, associations, and other information pertinent to the age of the assemblage.

Age: Indicates age assigned to the sample. Usually reported as a series or stage of the Carboniferous (see Figures 2 and 3).

Zone: Indicates alpha–numeric zone designation used for applicable Tournaisian and Viséan miospore assemblages (see Figure 2).

Source Report: Gives author of the palynological assemblage data and age determination.

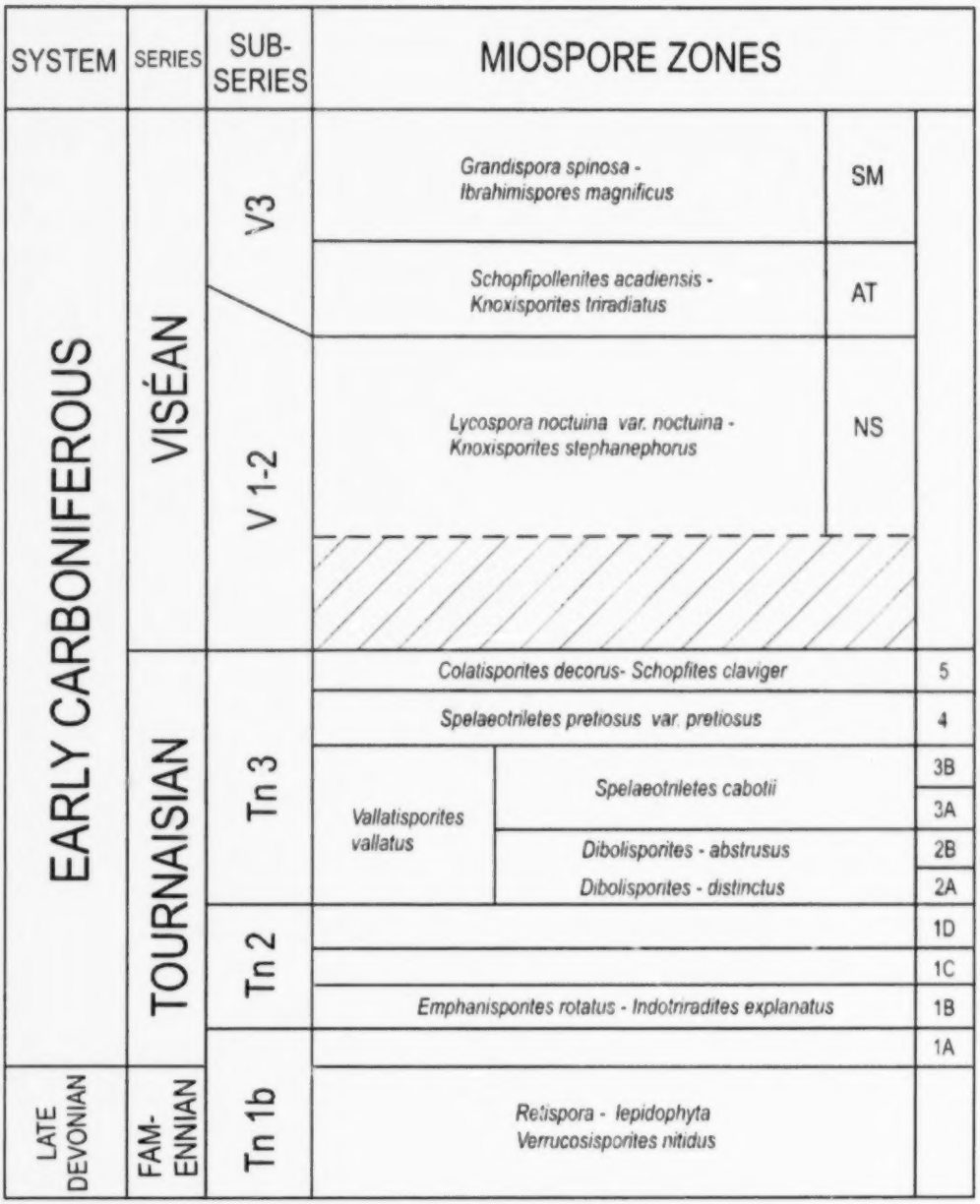

Figure 2. Tournaisian and Viséan miospore zonation for New Brunswick and Nova Scotia. Sources of miospore zones and names are as follows. *Late Devonian:* Martel et al. 1993. *Tournaisian*: Utting et al. 1989 and pers. comm. 1997. *Viséan*: Utting 1987a. Sub-series designations are informal and unpublished after Dolby (1996b).

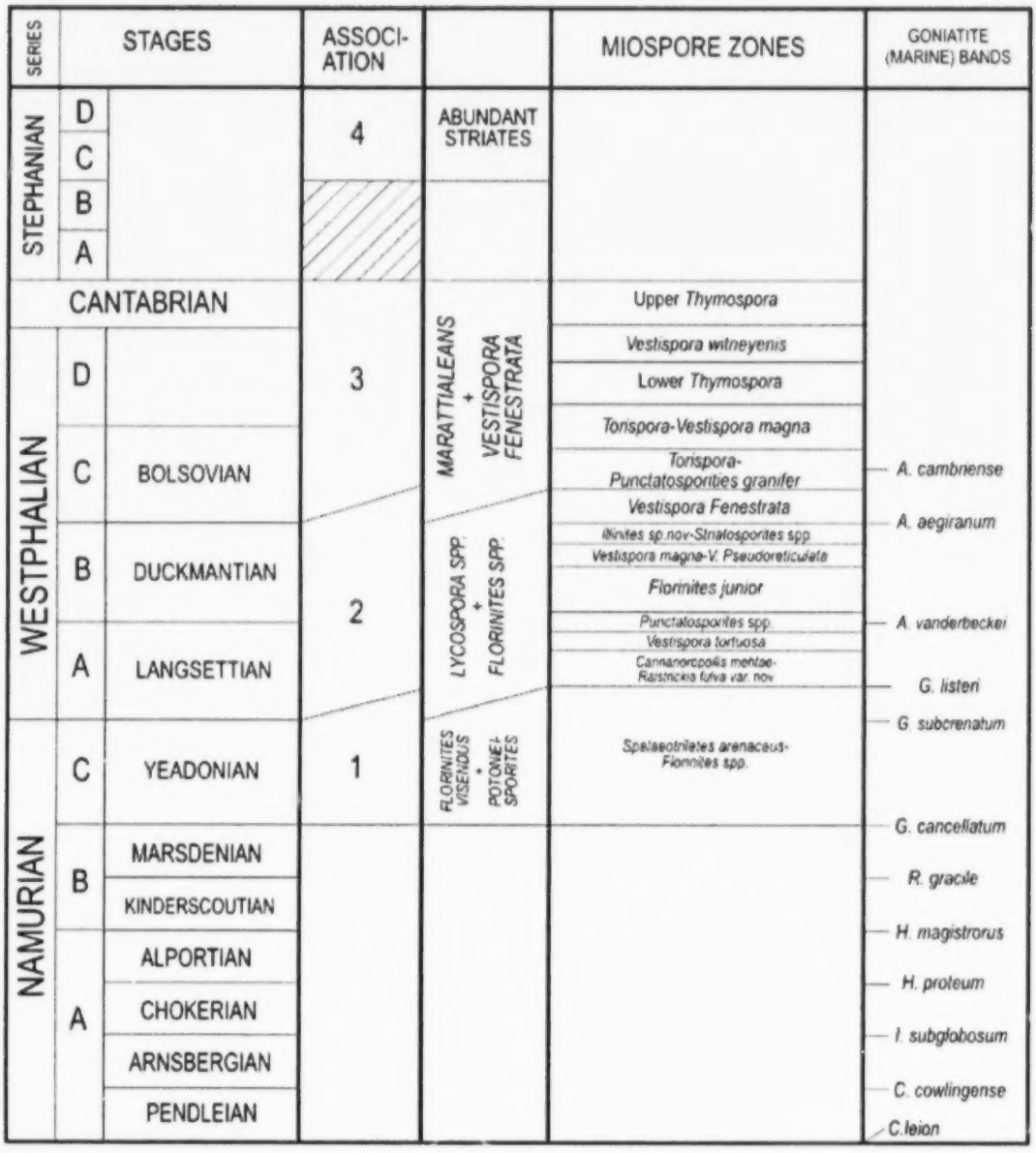

Figure 3. Palynological zonation of the Late Carboniferous for New Brunswick and Nova Scotia. Modified from informal, unpublished zonation of Dolby (1996b). Stage names and goniatite bands after Dolby (1999b). Late Cantabrian to Late Stephanian C hiatus as proposed by Wagner and Lyons (1995).

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New Nouveau
Brunswick

Ressources naturelles
Minéraux, politiques et planification

Dossier public
(numérique)

DONNÉES PALYNOLOGIQUES SUR LA COUCHE DU DÉVONIEN SUPÉRIEUR ET DU CARBONIFÈRE, SUD-EST DU NOUVEAU-BRUNSWICK

SNRC 11 L/04; 21 H/10, 15, 16; et 21 I/01, 02)

Clint St. Peter et Susan Johnson (compilateurs)

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2005

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Données palynologiques sur la couche du Dévonien supérieur et du Carbonifère, sud-est du Nouveau-Brunswick

(SNRC 11 L/04; 21 H/10, 15, 16; et 21 I/01, 02)

Format : Microsoft Access 2003

Taille de la base de données : environ 0,5 Mo

Disponibilité : fichier numérique uniquement

Financement : Ces études de zonation palynologique ont été financées en vertu du programme national de cartographie de Ressources naturelles Canada **(CARNAT)**, **projet du Bassin des Maritimes**, 1994-1997, ainsi qu'au titre du budget régulier du ministère des Ressources naturelles du Nouveau-Brunswick, Division des minéraux, des politiques et de la planification. La base de données est issue du projet CARNAT du Bassin des Maritimes.

Notation bibliographique conseillée :

St. Peter, C. et Johnson, S. (compilateurs) 2005. Données palynologiques sur la couche du Dévonien supérieur et du Carbonifère, sud-est du Nouveau-Brunswick (SNRC 11 L/04; 21 H/10, 15, 16; et 21 I/01, 02). Ministère des Ressources naturelles du Nouveau-Brunswick, Division des minéraux, des politiques et de la planification, Dossier public (numérique) 2005-6, 6 p.

Préparé pour :

Ministère des Ressources naturelles du Nouveau-Brunswick
Division des minéraux, des politiques et de la planification
Gouvernement du Nouveau-Brunswick

Keith Ashfield
Ministre des Ressources naturelles

Mars 2005

DESCRIPTION DE LA BASE DE DONNÉES

La base de données palynologiques du Nouveau-Brunswick est le résultat de la compilation de données chronologiques sur la cénozone de la couche du Dévonien supérieur et du Carbonifère dans les comtés d'Albert et de Westmorland, dans le sud-est du Nouveau-Brunswick (Figure 1). L'information contenue dans la base de données a principalement a été compilée par Clint St. Peter et Susan Johnson, du ministère des Ressources naturelles du Nouveau-Brunswick (MRN), dans le cadre du projet CARNAT sur le Bassin des Maritimes (1994-1997). La base de données contient également toutes les données disponibles sur les spores, tirées d'études cartographiques précédentes et subséquentes, dont la plupart ont été réalisées par Clint St. Peter. Les échantillons qui ont servi à la création de la base de données proviennent d'affleurements rocheux, de déblais de forage et de carottes d'échantillonnage. Les échantillons stockés issus de travaux antérieurs ont été titrés à nouveau au moyen des méthodes lithostratigraphiques et de biozonation courantes.

Graham Dolby, palynologue expert de Calgary (Alberta), a réalisé l'essentiel des études de cénozone palynologique citées dans ce document. La plupart de ces données proviennent directement des rapports non publiés de ce palynologue.

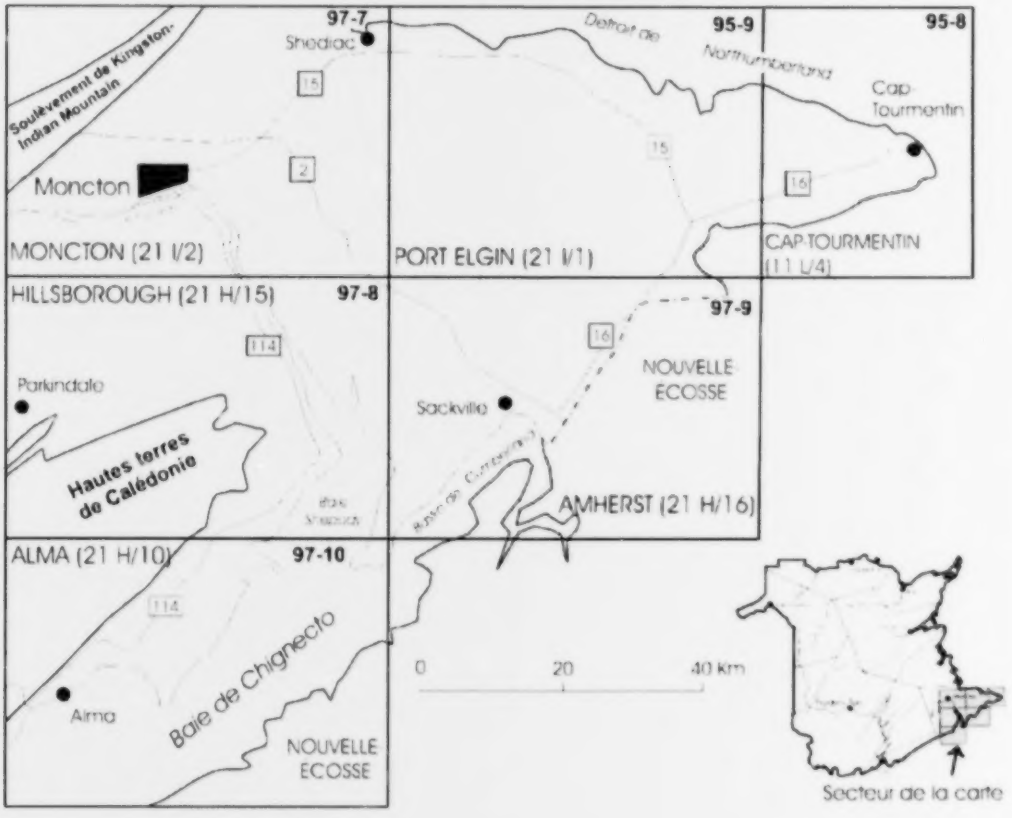

Figure 1. Carte de référence des secteurs géologiques couverts par la base de données palynologiques du Nouveau-Brunswick. Les désignations du SNRC sont utilisées (par exemple, MONCTON 21 I/2), ainsi que les numéros de référence cartographiques du MRN (par exemple, 97-7).

DESCRIPTION DES CHAMPS DE LA BASE DE DONNÉES

1. La provenance de chaque échantillon dans la base de données palynologiques du Nouveau-Brunswick est indiqué à l'aide des renvois que voici dans les champs de la base de données.

N°RenEmpl (Numéro de renvoi d'emplacement) – Désigne le numéro d'échantillon unique renvoyant à une série de six cartes géologiques du substratum rocheux à l'échelle 1/50 000. Les cartes apparaissent sur la Figure 1 et comportent les numéros de référence cartographique du MRN 95-8, 95-9, 97-7, 97-8, 97-9 et 97-10.

N°Échant – S'agissant des échantillons recueillis sur le terrain, l'entrée SampleNo désigne le numéro attribué à l'affleurement rocheux. Pour ce qui est des échantillons recueillis dans des déblais de forage et des carottes de forage au diamant, l'entrée SampleNo désigne l'étiquette et la profondeur du trou de forage ou de la carotte (en pieds ou en mètres, selon la mesure utilisée dans la diagraphie de forage initiale).

SNRC (Série nationale de référence cartographique) – Désigne la carte SNRC à l'échelle 1/50 000 sur laquelle on peut retrouver le lieu de provenance de l'échantillon (voir la Figure 1).

Lat (N) – Désigne la latitude du lieu de provenance de l'échantillon, en degrés, minutes et secondes; la valeur décimale est indiquée si elle est connue (par exemple, 46° 02' 30,5").

Long (W) – Désigne la longitude du lieu de provenance de l'échantillon, en degrés, minutes et secondes; la valeur décimale est indiquée si elle est connue (par exemple 64° 33' 44,3").

2. *L'emplacement stratigraphique et les données de biozonation* de chaque échantillon sont décrits dans les autres champs de la base de données que voici.

Formation – Désigne l'unité lithostratigraphique dans laquelle l'échantillon a été prélevé.

Observations sur la biozonation – Précisions sur les données de biozonation de chaque échantillon. Les données comprennent les espèces identifiées, les remarques sur leur état de conservation, leur abondance, les associations, et d'autres renseignements pertinents relatifs à l'âge de la cénozone.

Âge – Désigne l'âge attribué à l'échantillon. Il s'agit normalement d'un ensemble ou d'un étage du Carbonifère (voir les Figures 2 et 3).

Zone – Désigne la désignation alphanumérique de la zone servant à décrire la zonation de meiospore afférente du Tournaisien et du Viséen (voir la Figure 2).

Rapport d'origine – Précise la source des données de zonation palynologique et de détermination de l'âge.

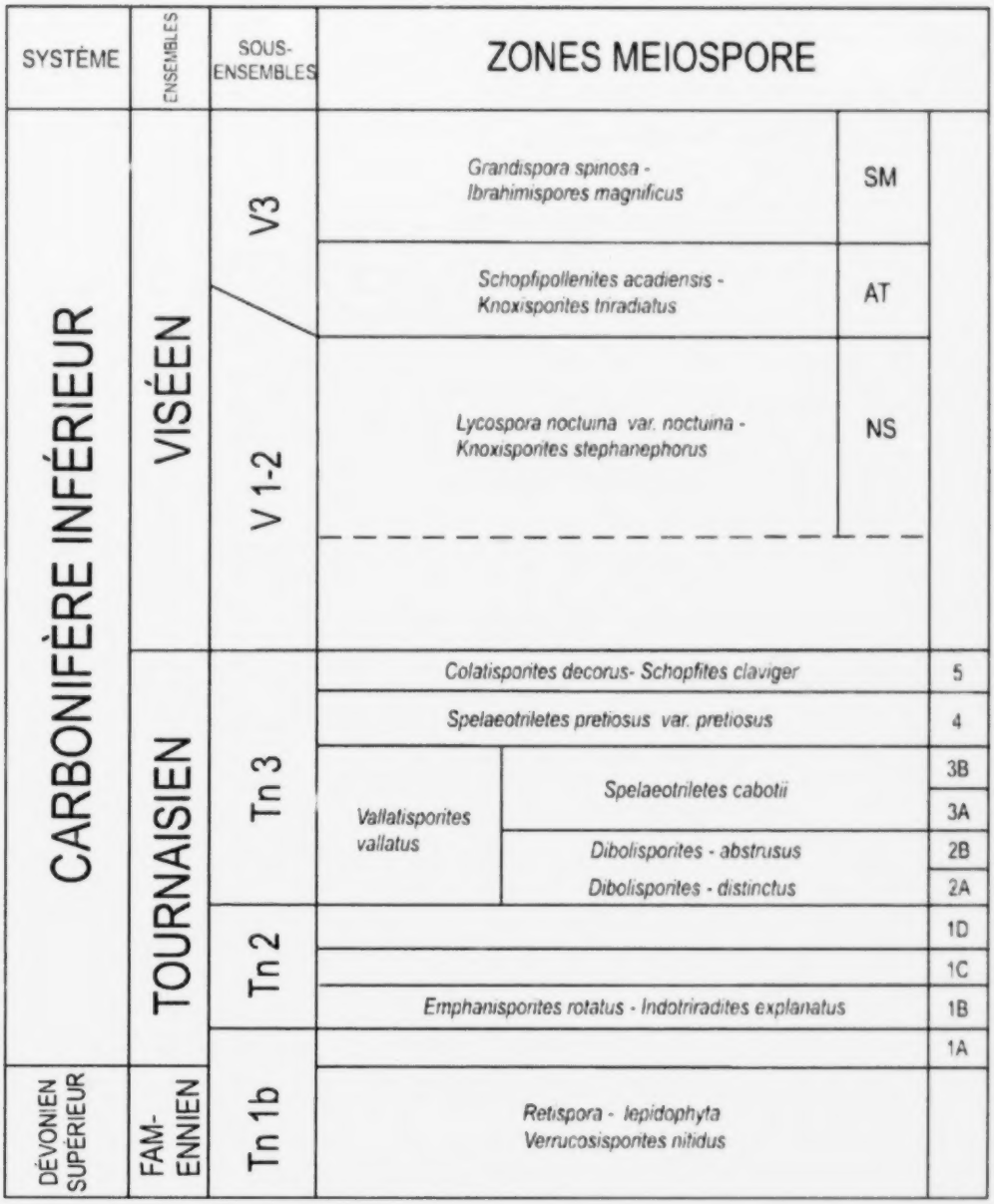

Figure 2. Zonation de meiospore du Tournaisien et du Viséen du Nouveau-Brunswick et de la Nouvelle-Écosse. Voici les sources pour la désignation de la zonation de meiospore et des noms afférents : *Dévonien supérieur,* Martel et al. 1993; *Tournaisien*, Utting et al. 1989 et communication personnelle, 1997; *Viséen*, Utting 1987a. Les désignations des sous-ensembles proviennent de sources officieuses et non publiées tirées de Dolby (1996b).

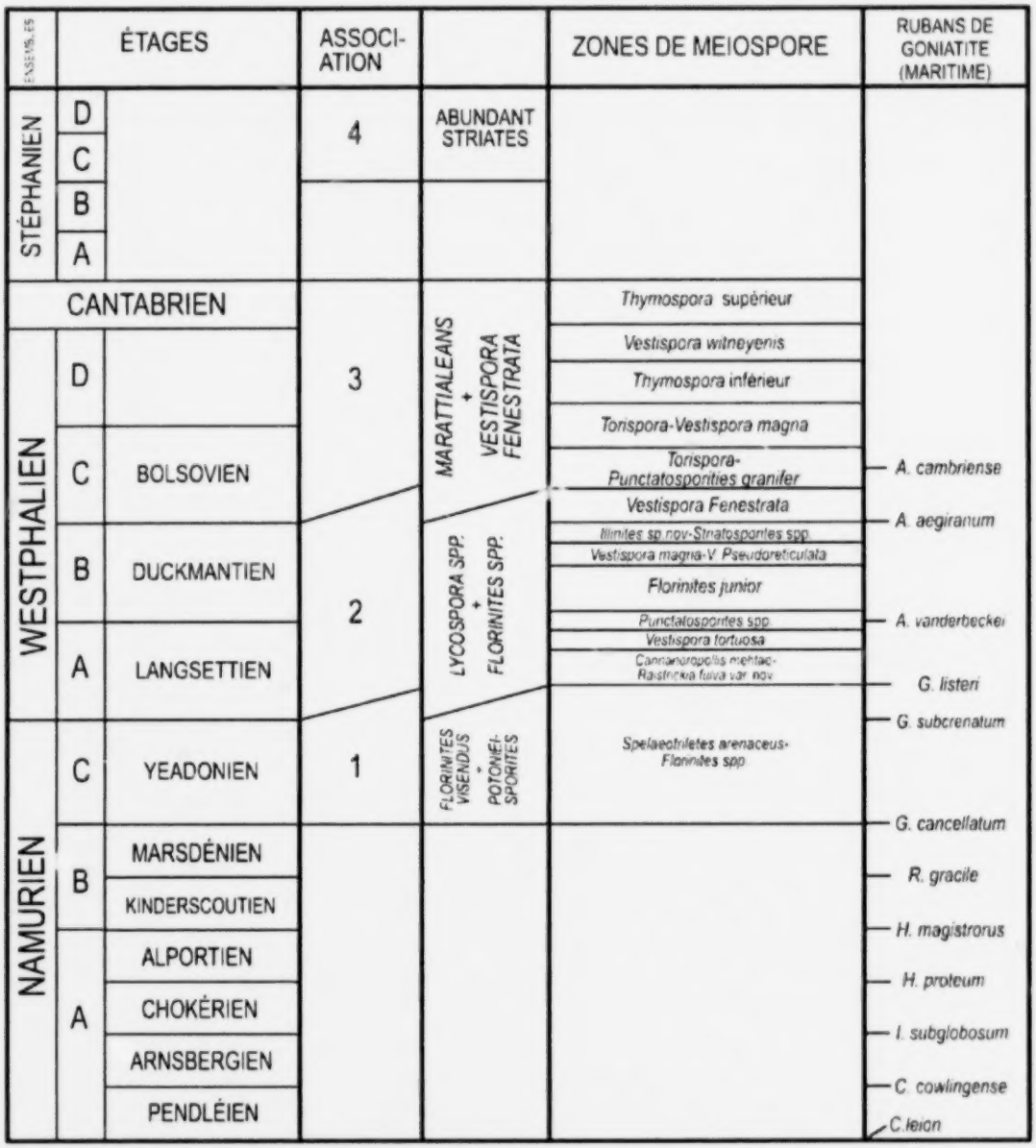

Figure 3. Zones palynologiques du Carbonifère supérieur pour le Nouveau-Brunswick et la Nouvelle-Écosse. Adapté de données officieuses et non publiées sur la zonation de Dolby (1996b). Les noms d'étages et la zonation de goniatite sont tirés de Dolby (1999b). Les hiatus de sédimentation du Cantabrien supérieur au Stéphanien C supérieur sont ceux proposés par Wagner et Lyons (1995).

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LocRefNo	SampleNo	NTS	Lat(N)	Long(W)	Formation	Assemblag	Age	Zone
262	507-081-1E	21 I/01	46° 11' 47.	64° 09' 42.	Richibucto	Significant	Westphalian D - ? Ste	
187	508-203-1E	21 I/01	46° 01' 27	64° 21' 09	Boss Point	Significant	Middle to late Langsett	
151	512-137-8(	21 H/16	45° 58' 06.	64° 28' 43.	Boss Point	Significant	Namurian	
150	526-073-5(	21 H/16	45° 58' 10.	64° 28' 34.	Boss Point	Remarks: '	Namurian	
149	526-073-5-	21 H/16	45° 58' 16.	64° 28' 39.	Boss Point	Remarks: '	Probably late Namuria	
213	527-017-3E	21 H/16	45° 55' 49.	64° 27' 40.	Boss Point	Significant	Middle to ?late Langs	
214	527-019-2/	21 H/16	45° 55' 58.	64° 25' 15.	Boss Point	Significant	Middle Langsettian - ?	
215	527-019-2E	21 H/16	45° 56' 03.	64° 25' 13.	Boss Point	Significant	Middle Langsettian - ?	
219	527-021-2(	21 H/16	45° 56' 21.	64° 24' 03.	Boss Point	Significant	Middle Langsettian - ?	
260	535-082-2/	21 I/01	46° 05' 11.	64° 10' 24.	Richibucto	Significant	Westphalian D	
261	535-082-4E	21 I/01	46° 05' 22	64° 10' 01.	Richibucto	Remarks:	Westphalian D	
210	536-012-1/	21 H/16	45° 52' 04.	64° 23' 17.	Boss Point	Significant	Middle to ?late Langs	
211	536-012-1E	21 H/16	45° 52' 01.	64° 23' 11.	Boss Point	Significant	Middle to ?late Langs	
209	536-012-2/	21 H/16	45° 52' 08.	64° 23' 03.	Boss Point	Significant	Not older than middle	
153	536-018-4E	21 H/16	45° 52' 44.	64° 17' 01.	Boss Point	Significant	Probably Namurian C	
225	536-020-1/	21 H/16	45° 52' 56.	64° 15' 53.	Boss Point	Significant	Langsettian	
152	536-085-1/	21 H/16	45° 54' 33.	64° 14' 59.	Boss Point	Significant	Probably Namurian C	
220	538-102-2/	21 H/16	45° 56' 56.	64° 24' 26.	Boss Point	Significant	Probably middle Langs	
221	538-104-1/	21 H/16	45° 57' 33.	64° 23' 49.	Boss Point	Significant	Middle Langsettian - ?	
179	95SJ- 417/	21 I/02	46° 01' 59.	64° 44' 08.	Boss Point	Significant	Late Yeadonian - early	
15	95SJ-068A	21 I/02	46° 12' 33.	64° 46' 52.	Indian Mou	Significant	Tournaisiai	Upper 3A-3
255	95SJ-126A	21 I/02	46° 14' 41.	64° 39' 47.	Richibucto	Significant	Stephanian C	
257	95SJ-172A	21 I/02	46° 11' 52.	64° 32' 35.	Richibucto	Significant	Probably Westphalian	
258	95SJ-175A	21 I/02	46° 11' 40.	64° 32' 19.	Richibucto	Significant	Probably Cantabrian	
253	95SJ-235B	21 I/02	46° 07' 24.	64° 47' 53.	Richibucto	Significant	Probably Westphalian	
252	95SJ-255A	21 I/02	46° 07' 21.	64° 48' 49.	Richibucto	Remarks: '	? Not older than early	
182	95SJ-259A	21 I/02	46° 05' 27.	64° 35' 32.	Boss Point	Significant	Late Yeadonian - early	
131	95SJ-294A	21 I/02	46° 02' 08.	64° 36' 33.	Boss Point	Significant	Late Namurian - early	
183	95SJ-325B	21 I/02	46° 05' 38.	64° 32' 50.	Boss Point	Significant	? Langsettian	
128	95SJ-334A	21 I/02	46° 01' 25.	64° 40' 44.	Boss Point	Significant	Early Westphalian A	
129	95SJ-350A	21 I/02	46° 00' 36.	64° 37' 45.	Boss Point	Significant	Early Westphalian A	
130	95SJ-354A	21 I/02	46° 02' 02.	64° 36' 46.	Boss Point	Significant	Late Namurian - early	
132	95SJ-358A	21 I/02	46° 02' 29.	64° 31' 22.	Boss Point	Significant	Late Namurian - early	
125	95SJ-381B	21 I/02	46° 00' 26.	64° 42' 21.	Boss Point	Remarks: '	Late Namurian - early	
124	95SJ-381C	21 I/02	46° 00' 29.	64° 42' 22.	Boss Point	Significant	Late Namurian - early	
177	95SJ-431B	21 H/10	45° 43' 22.	64° 31' 57.	Boss Point	Significant	Namurian	
176	95SJ-431C	21 H/10	45° 43' 20.	64° 32' 05.	Boss Point	Significant	Namurian	
175	95SJ-431F	21 H/10	45° 43' 19.	64° 32' 11.	Boss Point	Significant	Namurian	
174	95SJ-433A	21 H/10	45° 43' 17.	64° 32' 12.	Boss Point	Significant	Namurian	
173	95SJ-436B	21 H/10	45° 43' 30.	64° 33' 02.	Boss Point	Significant	Namurian	
169	95SJ-436C	21 H/10	45° 43' 49.	64° 33' 01.	Boss Point	Significant	Namurian	
170	95SJ-436E	21 H/10	45° 43' 44.	64° 33' 09.	Boss Point	Significant	Namurian	
171	95SJ-437B	21 H/10	45° 43' 39.	64° 33' 10.	Boss Point	Significant	Namurian	
172	95SJ-437C	21 H/10	45° 43' 36.	64° 33' 07.	Boss Point	Significant	Namurian	
110	95SJ-439A	21 H/10	45° 44' 04.	64° 32' 46.	Shepody	Remarks: !	Early Namurian	
111	95SJ-439B	21 H/10	45° 44' 02.	64° 32' 50.	Shepody	Remarks: !	Early Namurian	
109	95SJ-439B	21 H/10	45° 44' 05.	64° 32' 43.	Shepody	Significant	Early Namurian	
108	95SJ-439F	21 H/10	45° 44' 08.	64° 32' 26.	Shepody	Significant	? Early Namurian	
230	95SJ-440A	21 H/16	45° 48' 24.	64° 29' 19.	Grande An	Species: A	Not older than early m	
229	95SJ-443A	21 H/16	45° 48' 05.	64° 29' 39.	Grande An	Species: A	Not older than early m	
161	95SJ-445C	21 H/15	45° 46' 17.	64° 31' 10.	Boss Point	Significant	Namurian	

228	95SJ-446C	21	H/15	45° 47' 34.	64° 30' 14.	Grande An	Species: A	Not older than early m
227	95SJ-447A	21	H/15	45° 47' 19.	64° 30' 17.	Grande An	Species: A	Not older than early m
157	95SJ-449C	21	H/15	45° 46' 26.	64° 30' 46.	Boss Point	Remarks: ˜	Namurian
159	95SJ-449D	21	H/15	45° 46' 26.	64° 30' 46.	Boss Point	Remarks: !	Namurian
158	95SJ-449D	21	H/15	45° 46' 26.	64° 30' 46.	Boss Point	Remarks: !	Namurian
160	95SJ-449E	21	H/15	45° 46' 26.	64° 30' 46.	Boss Point	Remarks: !	Namurian
162	95SJ-455D	21	H/15	45° 46' 10.	64° 31' 06.	Boss Point	Significant	Namurian
163	95SJ-455F	21	H/15	45° 46' 05.	64° 31' 12.	Boss Point	Significant	Namurian
164	95SJ-456A	21	H/15	45° 45' 56.	64° 31' 19.	Boss Point	Significant	Namurian
102	95SJ-458B	21	H/15	45° 45' 40.	64° 31' 18.	Shepody	Significant	Early Namurian
147	95SJ-475C	21	H/15	45° 50' 54.	64° 32' 08.	Boss Point	Remarks: ˜	Namurian
148	95SJ-475D	21	H/15	45° 50' 54.	64° 32' 08.	Boss Point	Significant	Probably Namurian
207	95SJ-478D	21	H/15	45° 51' 37.	64° 32' 34.	Boss Point	Remarks: !	Late Namurian - early
206	95SJ-478I	21	H/15	45° 51' 56.	64° 32' 39.	Boss Point	Significant	Late Namurian - early
120	95SJ-521R	21	H/16	45° 46' 43.	64° 26' 58.	Enrage	Remarks: ˜	? Namurian
231	95SJ-523D	21	H/16	45° 47' 11.	64° 26' 02.	Grande An	Species: A	Not older than early m
232	95SJ-523K	21	H/16	45° 47' 24.	64° 25' 27.	Grande An	Species: A	Not older than early m
233	95SJ-525G	21	H/16	45° 48' 21.	64° 24' 56.	Grande An	Species: C	Not older than early m
246	95SJ-631A	21	H/15	45° 57' 39.	64° 56' 41.	Salisbury	Significant	Early Westphalian C
247	95SJ-634A	21	H/15	45° 58' 17.	64° 57' 04.	Salisbury	Significant	Westphalian C, probat
106	96SJ-510G	21	H/16	45° 44' 20.	64° 28' 59.	Shepody	Remarks: !	Early Namurian
107	96SJ-510G	21	H/16	45° 44' 17.	64° 29' 06.	Shepody	Remarks: !	Early Namurian
104	96SJ-513A	21	H/16	45° 44' 37.	64° 28' 56.	Shepody	Significant	Early Namurian
105	96SJ-513D	21	H/16	45° 44' 25.	64° 28' 53.	Shepody	Remarks: !	Early Namurian
103	96SJ-521P	21	H/16	45° 46' 43.	64° 26' 55.	Shepody	Significant	Namurian
121	96SJ-521U	21	H/16	45° 46' 54.	64° 26' 47.	Boss Point	Remarks: ˜	Probably late Namuria
138	99SJ-493	21	H/15	45° 52' 04"	64° 59' 00"	Boss Point	Species: C	Not older than Kinder
200	99SJ-495	21	H/15	45° 52' 27"	64° 58' 58"	Boss Point	Species: A	Middle Langsettian - e
201	99SJ-498b	21	H/15	45° 52' 51"	64° 59' 02"	Boss Point	Species: A	Middle Langsettian - e
202	99SJ-500	21	H/15	45° 52' 57"	64° 58' 47"	Boss Point	Species: C	Middle Langsettian - e
203	99SJ-603a	21	H/15	45° 53' 36"	64° 58' 11"	Boss Point	Species: A	Middle Langsettian - e
204	99SJ-604	21	H/15	45° 54' 00"	64° 58' 35"	Boss Point	Species: A	Middle Langsettian - e
205	99SJ-607	21	H/15	45° 54' 24"	64° 58' 30"	Boss Point	Species: F	Middle Langsettian - e
242	99SJ-608b	21	H/15	45° 54' 28"	64° 58' 50"	Salisbury	Species: A	See under assemblag
243	99SJ-609	21	H/15	45° 54' 34"	64° 58' 43"	Salisbury	Species: A	See under assemblag
244	99SJ-614	21	H/15	45° 54' 57"	64° 58' 41"	Salisbury	Species: ?	Probably Bolsovian
245	99SJ-618d	21	H/15	45° 55' 26"	64° 58' 54"	Salisbury	Species: A	Probably Bolsovian
137	99SJ-686	21	H/15	45° 51' 47"	64° 58' 50"	Boss Point	Species: A	Not older than Kinders
208	99SJ-DC4	21	H/15	45° 51' 38"	64° 32' 36"	Boss Point	Significant	Middle Langsettian - ?
186	99SJ-MB-1	21	I/01	46° 01' 32"	64° 21' 12"	Boss Point	Significant	Probably Langsettian
222	99SJ-MV1	21	H/16	45° 57' 28"	64° 23' 49"	Boss Point	Significant	Middle Langsettian - ?
223	99SJ-MV2	21	H/16	45° 58' 03"	64° 24' 30"	Boss Point	Significant	Middle Langsettian - ?
217	99SJ-WR1	21	H/16	45° 56' 19"	64° 24' 23	Boss Point	Significant	Middle Langsettian - ?
218	99SJ-WR2	21	H/16	45° 56' 32"	64° 25' 20	Boss Point	Significant	Middle Langsettian - ?
216	99SJ-WRC	21	H/16	45° 56' 10"	64° 25' 10"	Boss Point	Significant	Probably middle Langs
30	Atlantic Ric	21	H/15	45° 58' 56.	64° 39' 13.	Albert	Species: C	Tournaisiai Late Tn2- I
36	C-136301	21	H/15	45° 58' 23.	64° 38' 22.	Weldon	Species: A	Tournaisiai Late Tn2- I
35	C-136303	21	H/15	45° 58' 29.	64° 38' 15.	Weldon	Species: C	Tournaisiai Late Tn2- I
33	C-136304	21	H/15	45° 58' 37.	64° 38' 10.	Albert	Species: C	Tournaisiai Late Tn2- I
34	C-136305	21	H/15	45° 58' 42.	64° 38' 8.6	Albert	Species: C	Tournaisiai Late Tn2- I
32	C-136306	21	H/15	45° 58' 48.	64° 38' 12.	Albert	Species: C	Tournaisiai Late Tn2- I
188	Chilean Gc	21	I/01	46° 00' 23"	64° 20' 47"	Boss Point	Remarks: ˜	Middle Langsettian - ?

189	Chilean Gc	21	I/01	46° 00' 23"	64° 20' 47"	Boss Point	Remarks:	Probably middle Langs	
72	Columbia E	21	H/15	45° 53' 30"	64° 34' 13"	Albert	Significant	Tournaisiai	1C-2A (low
91	Columbia E	21	H/15	45° 53' 30"	64° 34' 13"	Hillsborouç	Significant	Indeterminable	
92	Columbia E	21	H/15	45° 53' 30"	64° 34' 13"	Hillsborouç	Significant	Indeterminable	
71	Columbia E	21	H/15	45° 53' 30"	64° 34' 13"	Albert	Significant	Tournaisiai	1C-2A (low
68	Columbia E	21	H/15	45° 54' 09.	64° 52' 27.	Albert	Significant	Tournaisiai	1A-?1B
178	Columbia/(	21	H/16	45° 59' 15"	64° 29' 07"	Boss Point	Significant	Namurian	
74	Columbia/(	21	H/16	45° 59' 15"	64° 29' 07"	Albert	Significant	Early Tournaisian - ?S	
73	Columbia/(	21	H/16	45° 59' 15"	64° 29' 07"	Albert	Significant	Early Tourr	1A-?1B
56	CS00-003	21	H/15	45° 55' 18.	64° 36' 38.	Round Hill	Species: A	Tournaisiai	Zone 2 (un
60	CS00-004	21	H/15	45° 55' 21.	64° 36' 39.	Weldon	Species: ?(	Tournaisiai	Zone 2 (un
62	CS00-005	21	H/15	45° 55' 25.	64° 36' 40.	Weldon	Species: A	Tournaisiai	2A
66	CS00-006	21	H/15	45° 55' 34.	64° 36' 45.	Weldon	Species: A	Tournaisiai	2A
226	CS00-022	21	H/15	45° 46' 18"	64° 30' 55"	Grande An	Significant	Late Namurian - ?earl	
55	CS00-048/	21	H/15	45° 55' 6.6	64° 36' 37"	Albert	Species: A	Tournaisiai	Probably b
57	CS00-048(	21	H/15	45° 55' 19.	64° 36' 39"	Round Hill	Species: (	Tournaisiai	Zone 2 (un
58	CS00-048I	21	H/15	45° 55' 19.	64° 36' 39.	Round Hill	Species: A	Tournaisiai	Zone 2 (un
59	CS00-048I	21	H/15	45° 55' 21.	64° 36' 39.	Weldon	Species: G	Tournaisiai	Zone 2 (un
61	CS00-048.	21	H/15	45° 55' 23.	64° 36' 40.	Weldon	Species: K	Tournaisiai	2A
63	CS00-048I	21	H/15	45° 55' 26.	64° 36' 41.	Weldon	Species: D	Tournaisiai	2A
64	CS00-048L	21	H/15	45° 55' 29.	64° 36' 42.	Weldon	Species: C	Tournaisiai	2A
65	CS00-048M	21	H/15	45° 55' 31.	64° 36' 42.	Weldon	Species: D	Tournaisiai	2A
67	CS00-048M	21	H/15	45° 55' 35.	64° 36' 47.	Weldon	Species: D	Tournaisiai	2A
54	CS00-068(	21	H/15	45° 47' 41"	64° 59' 55"	Albert	Significant	Early Tourr	1B
93	CS92-5	21	H/15	45° 56' 17.	64° 31' 32.	Lime-kiln B	Species: R	Tournaisian	
27	CS92-54	21	H/15	45° 59' 42.	64° 34 32.7	Albert	Species: cf	Tournaisiai	1A
26	CS92-58	21	H/15	45° 59' 53.	64° 35' 16.	Albert	Species: A	Tournaisiai	1A
24	CS92-62	21	I/02	46° 00' 24.	64° 35' 04.	Albert	Species: A	Tournaisiai	1A-1B
25	CS92-67	21	I/02	46° 00' 29.	64° 35' 16.	Albert	Species: D	Tournaisiai	1A-1B
80	CS94-011	21	I/02	46° 09' 37.	64° 52' 53.	Weldon	Remarks: I	? Tournaisian	
79	CS94-012	21	I/02	46° 09' 41.	64° 53' 04.	Hillsborouç	Significant	Tournaisiai	4-5
82	CS94-016	21	I/02	46° 09' 19.	64° 53' 15.	Weldon	Remarks: !	Tournaisiai	4-5
75	CS94-030	21	I/02	46° 10' 04.	64° 52' 16.	Hillsborouç	Significant	Tournaisiai	?5
76	CS94-039	21	I/02	46° 10' 11.	64° 51' 48.	Hillsborouç	Remarks: '	Tournaisiai	4-5
78	CS94-068	21	I/02	46° 09' 44.	64° 51' 57.	Hillsborouç	Significant	Tournaisiai	N.O.T. Upp
77	CS94-070(	21	I/02	46° 09' 49.	64° 52' 07.	Weldon	Remarks: '	Tournaisiai	4-5
81	CS94-076	21	I/02	46° 09' 23.	64° 52' 14.	Hillsborouç	Remarks: '	Tournaisiai	4-5
250	CS94-106(	21	I/02	46° 06' 44"	64° 56' 05"	Richibucto	Significant	Not older than middle '	
85	CS94-110	21	I/02	46° 08' 21.	64° 58' 34.	Hillsborouç	Remarks: '	Tournaisiai	?5
86	CS94-112	21	I/02	46° 08' 14.	64° 59' 03.	Hillsborouç	Remarks: !	Tournaisiai	N.O.T. Upp
22	CS94-117	21	I/02	46° 09' 57.	64° 56' 07.	Albert	Remarks: /	Tournaisiai	?1D-2
84	CS94-126t	21	I/02	46° 08' 57.	64° 56' 20.	Weldon	Significant	Tournaisiai	4-5
88	CS94-174	21	I/02	46° 08' 01.	64° 59' 52.	Hillsborouç	Remarks: /	Tournaisiai	N.O.T. Upp
87	CS94-188	21	I/02	46° 08' 09.	64° 59' 22.	Weldon	Remarks: '	Tournaisiai	N.O.T. Upp
17	CS94-210	21	I/02	46° 12' 02.	64° 52' 08.	Indian Mou	Remarks: !	Tournaisiai	?1
95	CS95-003f	21	H/15	45° 46' 49.	64° 38' 11.	Lime-kiln B	Significant	Visean	NS, Utting
97	CS95-104	21	H/15	45° 46' 11.	64° 41' 46.	Lime-kiln B	Significant	Visean	NS, Utting
144	CS95-168	21	H/15	45° 48' 50.	64° 37' 07.	Boss Point	Significant	Namurian	
96	CS95-169	21	H/15	45° 46' 45.	64° 38' 06.	Lime-kiln B	Remarks: '	Visean	NS, Utting
165	CS95-262	21	H/10	45° 42' 56.	64° 41' 16.	Boss Point	Remarks: !	Namurian	
154	CS95-295	21	H/10	45° 44' 50.	64° 44' 49.	Boss Point	Remarks: '	Namurian	
100	CS95-332	21	H/10	45° 40' 21.	64° 47' 02.	Maringouin	Significant	Probably early Namuri	

114	CS95-335,	21 H/10	45° 40' 18.	64° 47' 01.	Shepody	Remarks: !	Probably early Namuri
112	CS95-411	21 H/10	45° 43' 16.	64° 42' 17.	Shepody	Significant	Visean AT ?, Uttin
167	CS95-461	21 H/10	45° 37' 49.	64° 48' 00.	Boss Point	Significant	Namurian
116	CS95-475	21 H/10	45° 36' 38.	64° 46' 41.	Shepody	Significant	Probably early Namuri
168	CS95-481,	21 H/10	45° 35' 47.	64° 46' 53.	Boss Point	Remarks: !	Namurian
94	CS95-501,	21 H/15	45° 48' 55.	64° 34' 41.	Lime-kiln B	Significant	Visean AT, Utting
113	CS95-514	21 H/10	45° 40' 57.	64° 43' 10.	Shepody	Significant	Probably early Namur
119	CS95-552	21 H/10	45° 35' 52"	64° 46' 12"	Shepody	Significant	Early Namurian
118	CS95-554	21 H/10	45° 36' 45"	64° 46' 19"	Shepody	Significant	Early Namurian
123	CS95-568	21 H/10	45° 34' 35"	64° 58' 06"	Boss Point	Significant	Namurian
156	CS95-572	21 H/10	45° 34' 41"	64° 58' 01"	Boss Point	Significant	Namurian
117	CS96-001	21 H/10	45° 36' 04.	64° 47' 22.	Shepody	Significant	Early Namurian
101	CS96-002	21 H/10	45° 36' 15.	64° 47' 22.	Maringouin	Remarks: '	Possibly latest Visean
122	CS96-085t	21 H/10	45° 35' 27.	64° 57' 13.	Boss Point	Significant	Namurian
155	CS96-098	21 H/10	45° 36' 55.	64° 55' 44.	Boss Point	Significant	Namurian
98	CS96-273	21 H/10	45° 39' 46.	64° 44' 4.0	Lime-kiln B	Significant	? Visean
166	CS96-337	21 H/10	45° 38' 08.	64° 47' 05.	Boss Point	Significant	Namurian
115	CS96-404	21 H/10	45° 38' 26.	64° 48' 31.	Shepody	Significant	Early Namurian
193	DAE-19-00	21 I/01	46° 03' 54.	64° 06' 50.	Boss Point	Remarks: '	Early Westphalian A
235	D'Arcy Cap	21 I/01	46° 08' 58"	64° 20' 36"	Salisbury	Significant	Early Bolsovian
238	D'Arcy Por	21 I/01	46° 03' 54"	64° 06' 50"	Salisbury	Significant	Early Bolsovian
192	D'Arcy Por	21 I/01	46° 03' 54"	64° 06' 50"	Boss Point	Significant	Langsettian - ?early D
99	GSC D-19	21 H/15	45° 48' 56.	64° 34' 37.	Hopewell C	Significant	Visean NS, Utting
1	GSC 6452	21 I/02	46° 02' 30.	64° 33' 44.	Memramcc	Species: ?	Probably latest Devoni
23	GSC 6454	21 I/02	46° 01' 11.	64° 33' 14.	Albert	Species: A	Tournaisian
259	GSC 6555	21 I/02	46° 08' 38.	64° 35' 10.	Richibucto	Remarks: '	Westphalian D
256	GSC 6556	21 I/02	46° 12' 56.	64° 32' 38.	Richibucto	Significant	Probably late Westpha
126	GSC 6561	21 I/02	46° 00' 22.	64° 42' 22.	Boss Point	Remarks: '	Westphalian A
249	GSC 6848	21 I/02	46° 06' 41.	64° 56' 03.	Richibucto	Remarks: '	? Westphalian D
251	GSC 6855	21 I/02	46° 08' 00.	64° 49' 59.	Richibucto	Remarks: '	Westphalian D
181	GSC 6858	21 I/02	46° 02' 30.	64° 41' 53.	Boss Point	Remarks: '	? Late Namurian - earl
127	GSC 7977	21 I/02	46° 00' 15.	64° 42' 22.	Boss Point	Remarks: '	Probably late Namuria
254	GSC 9856	21 I/02	46° 11' 17.	64° 47' 15.	Richibucto	Significant	Stephanian
143	GSC D144	21 H/15	45° 53' 38.	64° 37' 06.	Boss Point	Remarks: '	Namurian - early West
3	GSC Local	21 I/02	46° 02' 32.	64° 33' 43	Memramcc	Species: 8	Famennian
191	I0L-60-001	21 I/01	46° 04' 45.	64° 06' 47.	Boss Point	Remarks: !	Early Westphalian A
145	Imperial Dc	21 H/15	45° 53' 21"	64° 31' 25"	Boss Point	Significant	Namurian (late Kinder
146	Imperial Dc	21 H/15	45° 53' 21"	64° 31' 25"	Boss Point	Significant	Probably not older tha
237	Imperial Pc	21 I/01	46° 04' 46"	64° 06' 48"	Salisbury	Significant	Early Bolsovian
190	Imperial Pc	21 I/01	46° 04' 46"	64° 06' 48"	Boss Point	Species: A	? Langsettian
134	Imperial Pc	21 I/01	46° 04' 46"	64° 06' 48"	Boss Point	Species: A	Namurian
236	Imperial Pc	21 I/01	46° 04' 46"	64° 06' 48"	Salisbury	Significant	? Bolsovian
41	Irving/Chev	21 H/15	45° 57' 52.	64° 41' 17.	Albert	Remarks: '	Middle Tou 1C
40	Irving/Chev	21 H/15	45° 57' 52.	64° 41' 17.	Albert	Remarks: '	Late Tourn D. distinctu
90	Irving/Chev	21 H/15	45° 55' 07.	64° 43' 12.	Weldon	Remarks: '	Tournaisia Indetermin.
43	Irving/Chev	21 H/15	45° 55' 07.	64° 43' 12.	Albert	Species: A	Late Tourn 3, S. cabo
44	Irving/Chev	21 H/15	45° 55' 07.	64° 43' 12.	Albert	Species: A	Late Tourn 2 D. distinc
45	Irving/Chev	21 H/15	45° 55' 07.	64° 43' 12.	Albert	Species: L	Late to ?lal 1D-?1C, D
239	Irving/Chev	21 H/14	45° 58' 39.	65° 00' 09.	Salisbury	Species: C	Late Duckmantian - ea
240	Irving/Chev	21 H/14	45° 58' 39.	65° 00' 09.	Salisbury	Species: A	Late Duckmantian - ea
241	Irving/Chev	21 H/14	45° 58' 39.	65° 00' 09.	Salisbury	Species: A	Late Duckmantian - ea
197	Irving/Chev	21 H/14	45° 58' 39.	65° 00' 09.	Boss Point	Species: A	Yeadonian - Langsetti

194	Irving/Chev	21	H/14	45° 58' 39.	65° 00' 09.	Boss Point	Species: A	Middle Langsettian - ?
195	Irving/Chev	21	H/14	45° 58' 39.	65° 00' 09.	Boss Point	Species: C	Middle Langsettian - ?
196	Irving/Chev	21	H/14	45° 58' 39.	65° 00' 09.	Boss Point	Species: A	Middle Langsettian - ?
135	Irving/Chev	21	H/14	45° 58' 39.	65° 00' 09.	Boss Point	Species: C	Namurian - Westphali
136	Irving/Chev	21	H/14	45° 58' 39.	65° 00' 09.	Boss Point	Species: A	Namurian - Westphali
53	Little River	21	H/15	45° 54' 26.	64° 56' 04.	Albert	Remarks: '	Early to mi 1A, Dolby
52	Little River	21	H/15	45° 54' 26.	64° 56' 04.	Albert	Remarks: I	Middle Tou E. rotatus -
139	MariCo Ste	21	H/15	45° 56' 13"	64° 48' 21"	Boss Point	Significant	Undiff. Namurian - ear
140	MOL (Mari	21	H/15	45° 57' 07"	64° 48' 32"	Boss Point	Significant	Namurian (probably Ki
234	Moncton H	21	I/02	46° 04' 24.	64° 52' 35.	Salisbury	Significant	Late Duckmantian
133	NB 214, 39	21	I/01	46° 05' 15"	64° 25' 40"	Boss Point	Significant	Probably Namurian, pr
184	NB 215, 16	21	I/02	46° 07' 14"	64° 32' 42"	Boss Point	Significant	Late Langsettian - ?ea
185	NB 215, 34	21	I/02	46° 07' 14"	64° 32' 42"	Boss Point	Significant	Middle Langsettian or
248	NB 252, 21	21	H/16	46° 55' 16"	64° 26' 22"	Salisbury	Species: A	Late Duckmantian -? e
212	NB 252, 31	21	H/16	45° 55' 16"	64° 26' 22"	Boss Point	Species: A	Probably Namurian - e
224	NB 271, 34	21	H/16	45° 51' 33"	64° 27' 11"	Boss Point	Significant	Middle to late Langsett
42	NBGO 10	21	H/15	45° 57' 20.	64° 43' 22.	Albert / Hir	Species: A	Tournaisian Not given
141	NBGO (NB	21	H/15	45° 58' 15"	64° 48' 32"	Boss Point	Significant	Probably Namurian
69	NBGO (NB	21	H/15	45° 58' 15"	64° 48' 32"	Albert	Significant	Early Tourn 1A-?1B
70	NBGO (NB	21	H/15	45° 58' 15"	64° 48' 32"	Albert	Significant	Early Tourn 1A-?1B
39	NBGO (NB	21	H/15	45° 58' 20"	64° 42' 50"	Albert	Significant	Tournaisian No older th
142	NBGO (NB	21	H/15	45° 59' 03"	64° 44' 25"	Boss Point	Significant	Not younger than early
180	NBGO (NB	21	I/02	46° 01' 41"	64° 42' 52"	Boss Point	Significant	Westphalian
199	NBGO (NB	21	H/15	45° 57' 50"	64° 55' 13"	Boss Point	Significant	Not older than middle
198	NBGO (NB	21	H/15	45° 57' 50"	64° 55' 13"	Boss Point	Species: A	Not older than middle
29	Petro- Can	21	H/15	45° 59' 17.	64° 38' 58.	Albert	Species: C	Tournaisian Late Tn2- I
31	Petro- Can	21	H/15	45° 58' 57.	64° 38' 21.	Albert	Species: C	Tournaisian Late Tn2- I
38	Petro-Cana	21	H/15	45° 54' 38.	64° 36' 10.	Albert	Species: C	Tournaisian Late Tn2- I
8	U19-507 (C	21	I/02	46° 13' 50"	64° 48' 21	Indian Mou	Species: A	Tournaisian Tn1b or Tn
9	U19-508	21	I/02	46° 13' 51.	64° 48' 14.	Indian Mou	Significant	Tournaisian ?1C-1D
10	U19-513	21	I/02	46° 13' 53.	64° 48' 02.	Indian Mou	Remarks: '	Tournaisian ?1
16	U19-84-1	21	I/02	46° 12' 09.	64° 50' 26.	Albert	Species: K	Tournaisian ?2
6	U19-84-3A	21	I/02	46° 12' 08.	64° 48' 16.	Hillsborouç	Significant	Tournaisian 1 or 1-2 tri
12	U19-84-50	21	I/02	46° 13' 07.	64° 48' 44.	Albert	Species: K	Tournaisian ?2
83	U20-50	21	I/02	46° 09' 47.	64° 55' 02.	Albert	Significant	Tournaisian possibly 2A
21	U20-509	21	I/02	46° 10' 00"	64° 55' 21.	Albert	Remarks: /	Tournaisian presumabl
19	U20-519	21	I/02	46° 10' 59.	64° 51' 44.	Albert	Remarks: /	Tournaisian presumabl
18	U20-529	21	I/02	46° 10' 59.	64° 51' 44.	Albert	Remarks: /	Tournaisian presumabl
20	U20-544	21	I/02	46° 10' 41"	64° 55' 32"	Indian Mou	Significant	Tournaisian ?1C-1D
4	U20-84-10	21	I/02	46° 11' 27.	64° 49' 07.	Hillsborouç	Species: A	Tournaisian ?1D
89	U20-84-13	21	I/02	46° 07' 57.	64° 58' 36.	Hillsborouç	Species: C	Tournaisian ?1D
5	U20-84-28	21	I/02	46° 11' 51.	64° 48' 35.	Hillsborouç	Species: A	Tournaisian ?1D
49	U23-587	21	H/15	45° 50' 48.	64° 51' 11.	Albert	Species: A	Tournaisian ?1D
47	U23-607	21	H/15	45° 51' 41.	64° 48' 52.	Albert	Species: R	Tournaisian 1-2
48	U23-609A	21	H/15	45° 51' 39.	64° 48' 54.	Albert	Remarks: !	Tournaisian 1-2
50	U23-65	21	H/15	45° 50' 45.	64° 51 52.(	Albert	Species: A	Tournaisian Possibly 1[
51	U23-74	21	H/15	45° 50' 40.	64° 51' 56.	Albert	Species: D	Tournaisian ?2
14	V19-84-15	21	I/02	46° 12' 37.	64° 46' 58.	Indian Mou	Significant	Tournaisian 1D
7	V19-84-2	21	I/02	46° 12' 22.	64° 47' 46.	Hillsborouç	Species: C	Tournaisian 1A
13	V19-84-9	21	I/02	46° 12' 34.	64° 47' 30.	Indian Mou	Significant	Tournaisian possibly 2A
11	V19-9	21	I/02	46° 14' 9.2	64° 47' 00"	Albert	Remarks: !	Tournaisian presumabl
46	V23-164	21	H/15	45° 51' 49.	64° 47' 59.	Albert	Species: A	Tournaisian 1D

2	W21-5, G	21	I/02	46° 02' 32	64° 33' 4	Memramcc Species: A Famennian
28	W22-510	21	H/15	45° 59' 31.	64° 34' 26.	Albert Species: cf Tournaisiai 1A
37	W23-4	21	H/15	45° 55' 57.	64° 35' 40.	Albert Species: A Tournaisiai Probably b

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LocRe	SampleNo	NTS	Lat(N)	Long(W)	Formation
262	507-081-1B	21 I/01	46° 11' 47.5"	64° 09' 42.8"	Richibucto
187	508-203-1B	21 I/01	46° 01' 27.9"	64° 21' 09.1"	Boss Point / Cole Point Member
151	512-137-8C	21 H/16	45° 58' 06.0"	64° 28' 43.7"	Boss Point / Breau Creek Member
150	526-073-502	21 H/16	45° 58' 10.1"	64° 28' 34.1"	Boss Point / Breau Creek Member
149	526-073-5-1	21 H/16	45° 58' 16.4"	64° 28' 39.6"	Boss Point / Breau Creek Member
213	527-017-3B	21 H/16	45° 55' 49.1"	64° 27' 40.7"	Boss Point / Cole Point Member
214	527-019-2A	21 H/16	45° 55' 58.7"	64° 25' 15.8"	Boss Point / Cole Point Member
215	527-019-2B	21 H/16	45° 56' 03.1"	64° 25' 13.5"	Boss Point / Cole Point Member
219	527-021-2G	21 H/16	45° 56' 21.4"	64° 24' 03.5"	Boss Point / Cole Point Member
260	535-082-2A	21 I/01	46° 05' 11.5"	64° 10' 24.6"	Richibucto
261	535-082-4B1	21 I/01	46° 05' 22.7"	64° 10' 01.9"	Richibucto
210	536-012-1A1	21 H/16	45° 52' 04.3"	64° 23' 17.8"	Boss Point / Cole Point Member
211	536-012-1B1	21 H/16	45° 52' 01.7"	64° 23' 11.4"	Boss Point / Cole Point Member
209	536-012-2A2	21 H/16	45° 52' 08.0"	64° 23' 03.0"	Boss Point / Cole Point Member
153	536-018-4B	21 H/16	45° 52' 44.8"	64° 17' 01.4"	Boss Point / Breau Creek Member
225	536-020-1A	21 H/16	45° 52' 56.6"	64° 15' 53.6"	Boss Point / Cole Point Member
152	536-085-1A1	21 H/16	45° 54' 33.2"	64° 14' 59.8"	Boss Point / Breau Creek Member
220	538-102-2A	21 H/16	45° 56' 56.2"	64° 24' 26.6"	Boss Point / Cole Point Member
221	538-104-1A	21 H/16	45° 57' 33.8"	64° 23' 49.0"	Boss Point / Cole Point Member
179	95SJ- 417A2	21 I/02	46° 01' 59.7"	64° 44' 08.0"	Boss Point / Cole Point Member
15	95SJ-068A1	21 I/02	46° 12' 33.2"	64° 46' 52.1"	Indian Mountain
255	95SJ-126A2	21 I/02	46° 14' 41.9"	64° 39' 47.7"	Richibucto
257	95SJ-172A1, A2, A3	21 I/02	46° 11' 52.8"	64° 32' 35.4"	Richibucto
258	95SJ-175A1	21 I/02	46° 11' 40.4"	64° 32' 19.0"	Richibucto
253	95SJ-235B2	21 I/02	46° 07' 24.8"	64° 47' 53.6"	Richibucto
252	95SJ-255A2	21 I/02	46° 07' 21.3"	64° 48' 49.6"	Richibucto
182	95SJ-259A2	21 I/02	46° 05' 27.0"	64° 35' 32.7"	Boss Point / Cole Point Member
131	95SJ-294A4	21 I/02	46° 02' 08.8"	64° 36' 33.4"	Boss Point / Breau Creek Member
183	95SJ-325B2	21 I/02	46° 05' 38.2"	64° 32' 50.1"	Boss Point / Cole Point Member
128	95SJ-334A3	21 I/02	46° 01' 25.8"	64° 40' 44.7"	Boss Point / Breau Creek Member
129	95SJ-350A3	21 I/02	46° 00' 36.4"	64° 37' 45.3"	Boss Point / Breau Creek Member
130	95SJ-354A3	21 I/02	46° 02' 02.9"	64° 36' 46.1"	Boss Point / Breau Creek Member
132	95SJ-358A4	21 I/02	46° 02' 29.0"	64° 31' 22.8"	Boss Point / Breau Creek Member
125	95SJ-381B1	21 I/02	46° 00' 26.5"	64° 42' 21.7"	Boss Point / Breau Creek Member
124	95SJ-381D3	21 I/02	46° 00' 29.3"	64° 42' 22.4"	Boss Point / Breau Creek Member
177	95SJ-431B4	21 H/10	45° 43' 22.1"	64° 31' 57.2"	Boss Point / Ward Point Member

176 95SJ-431D4	21 H/10	45° 43' 20.8"	64° 32' 05.2"	Boss Point / Ward Point Member
175 95SJ-431F1	21 H/10	45° 43' 19.1"	64° 32' 11.2"	Boss Point / Ward Point Member
174 95SJ-433A1	21 H/10	45° 43' 17.8"	64° 32' 12.8"	Boss Point / Ward Point Member
173 95SJ-436B3	21 H/10	45° 43' 30.6"	64° 33' 02.8"	Boss Point / Ward Point Member
169 95SJ-436D3	21 H/10	45° 43' 49.5"	64° 33' 01.8"	Boss Point / Ward Point Member
170 95SJ-436E1	21 H/10	45° 43' 44.3"	64° 33' 09.3"	Boss Point / Ward Point Member
171 95SJ-437B1	21 H/10	45° 43' 39.2"	64° 33' 10.6"	Boss Point / Ward Point Member
172 95SJ-437C3	21 H/10	45° 43' 36.3"	64° 33' 07.4"	Boss Point / Ward Point Member
110 95SJ-439A1	21 H/10	45° 44' 04.2"	64° 32' 46.2"	Shepody
111 95SJ-439B3	21 H/10	45° 44' 02.3"	64° 32' 50.9"	Shepody
109 95SJ-439B6	21 H/10	45° 44' 05.3"	64° 32' 43.8"	Shepody
108 95SJ-439F2	21 H/10	45° 44' 08.1"	64° 32' 26.0"	Shepody
230 95SJ-440A1	21 H/16	45° 48' 24.5"	64° 29' 19.5"	Grande Anse
229 95SJ-443A7	21 H/16	45° 48' 05.1"	64° 29' 39.3"	Grande Anse
161 95SJ-445C5	21 H/15	45° 46' 17.2"	64° 31' 10.3"	Boss Point / Ward Point Member
228 95SJ-446G1	21 H/15	45° 47' 34.7"	64° 30' 14.6"	Grande Anse
227 95SJ-447A3	21 H/15	45° 47' 19.4"	64° 30' 17.6"	Grande Anse
157 95SJ-449C4	21 H/15	45° 46' 26.0"	64° 30' 46.2"	Boss Point / Ward Point Member
159 95SJ-449D11	21 H/15	45° 46' 26.0"	64° 30' 46.2"	Boss Point / Ward Point Member
158 95SJ-449D4	21 H/15	45° 46' 26.0"	64° 30' 46.2"	Boss Point / Ward Point Member
160 95SJ-449E7	21 H/15	45° 46' 26.0"	64° 30' 46.2"	Boss Point / Ward Point Member
162 95SJ-455D4	21 H/15	45° 46' 10.4"	64° 31' 06.3"	Boss Point / Ward Point Member
163 95SJ-455F1	21 H/15	45° 46' 05.6"	64° 31' 12.8"	Boss Point / Ward Point Member
164 95SJ-456A8	21 H/15	45° 45' 56.0"	64° 31' 19.2"	Boss Point / Ward Point Member
102 95SJ-458B1	21 H/15	45° 45' 40.6"	64° 31' 18.0"	Shepody
147 95SJ-475C7	21 H/15	45° 50' 54.9"	64° 32' 08.5"	Boss Point / Breau Creek Member
148 95SJ-475D1	21 H/15	45° 50' 54.7"	64° 32' 08.8"	Boss Point / Breau Creek Member
207 95SJ-478D4	21 H/15	45° 51' 37.6"	64° 32' 34.7"	Boss Point / Cole Point Member
206 95SJ-478I2	21 H/15	45° 51' 56.7"	64° 32' 39.5"	Boss Point / Cole Point Member
120 95SJ-521R	21 H/16	45° 46' 43.8"	64° 26' 58.9"	Enrage
231 95SJ-523D2	21 H/16	45° 47' 11.3"	64° 26' 02.8"	Grande Anse
232 95SJ-523K2	21 H/16	45° 47' 24.7"	64° 25' 27.8"	Grande Anse
233 95SJ-525G1	21 H/16	45° 48' 21.3"	64° 24' 56.5"	Grande Anse
246 95SJ-631A1	21 H/15	45° 57' 39.1"	64° 56' 41.2"	Salisbury
247 95SJ-634A3	21 H/15	45° 58' 17.6"	64° 57' 04.6"	Salisbury
106 96SJ-510G3	21 H/16	45° 44' 20.3"	64° 28' 59.3"	Shepody
107 96SJ-510G5	21 H/16	45° 44' 17.6"	64° 29' 06.1"	Shepody

104	96SJ-513A			
105	96SJ-513D3			
103	96SJ-521P			
121	96SJ-521U			
138	99SJ-493			
200	99SJ-495			
201	99SJ-498b			
202	99SJ-500			
203	99SJ-603a			
204	99SJ-604			
205	99SJ-607			
242	99SJ-608b			
243	99SJ-609			
244	99SJ-614			
245	99SJ-618d			
137	99SJ-686			
208	99SJ-DC440			
186	99SJ-MB-1			
222	99SJ-MV1			
223	99SJ-MV2			
217	99SJ-WR1			
218	99SJ-WR2			
216	99SJ-WRQ1			
30	Atlantic Richfield Co. Ltd., Dover No. 1A, 164.6 m			
36	C-136301			
35	C-136303			
33	C-136304			
34	C-136305			
32	C-136306			
188	Chilean Gold ddh 97-1, 282'			
189	Chilean Gold ddh 97-1, 371'			
72	Columbia Beaumont, 1021.83 m			
91	Columbia Beaumont, 828.5 m			
92	Columbia Beaumont, 892.5 m			
71	Columbia Beaumont, 916.16 m			
68	Columbia Beaver Brook 1, 1890 m			
178	Columbia/Corridor TCH, 71.3 m			
21	H/16	45° 44' 37.3"	64° 28' 56.1"	Shepody
21	H/16	45° 44' 25.5"	64° 28' 53.6"	Shepody
21	H/16	45° 46' 43.2"	64° 26' 55.3"	Shepody
21	H/16	45° 46' 54.2"	64° 26' 47.4"	Boss Point / Chignecto Bay Member
21	H/15	45° 52' 04"	64° 59' 00"	Boss Point / Breau Creek Member
21	H/15	45° 52' 27"	64° 58' 58"	Boss Point / Cole Point Member
21	H/15	45° 52' 51"	64° 59' 02"	Boss Point / Cole Point Member
21	H/15	45° 52' 57"	64° 58' 47"	Boss Point / Cole Point Member
21	H/15	45° 53' 36"	64° 58' 11"	Boss Point / Cole Point Member
21	H/15	45° 54' 00"	64° 58' 35"	Boss Point / Cole Point Member
21	H/15	45° 54' 24"	64° 58' 30"	Boss Point / Cole Point Member
21	H/15	45° 54' 28"	64° 58' 50"	Salisbury
21	H/15	45° 54' 34"	64° 58' 43"	Salisbury
21	H/15	45° 54' 57"	64° 58' 41"	Salisbury
21	H/15	45° 55' 26"	64° 58' 54"	Salisbury
21	H/15	45° 51' 47"	64° 58' 50"	Boss Point / Breau Creek Member
21	H/15	45° 51' 38"	64° 32' 36"	Boss Point / Cole Point Member
21	I/01	46° 01' 32"	64° 21' 12"	Boss Point / Cole Point Member
21	H/16	45° 57' 28"	64° 23' 49"	Boss Point / Cole Point Member
21	H/16	45° 58' 03"	64° 24' 30"	Boss Point / Cole Point Member
21	H/16	45° 56' 19"	64° 24' 23	Boss Point / Cole Point Member
21	H/16	45° 56' 32"	64° 25' 20	Boss Point / Cole Point Member
21	H/16	45° 56' 10"	64° 25' 10"	Boss Point / Cole Point Member
21	H/15	45° 58' 56.7"	64° 39' 13.9"	Albert
21	H/15	45° 58' 23.1"	64° 38' 22.5"	Weldon
21	H/15	45° 58' 29.9"	64° 38' 15.0"	Weldon
21	H/15	45° 58' 37.5"	64° 38' 10.7"	Albert
21	H/15	45° 58' 42.4"	64° 38' 8.6"	Albert
21	H/15	45° 58' 48.0"	64° 38' 12.9"	Albert
21	I/01	46° 00' 23"	64° 20' 47"	Boss Point / Cole Point Member
21	I/01	46° 00' 23"	64° 20' 47"	Boss Point / Cole Point Member
21	H/15	45° 53' 30"	64° 34' 13"	Albert
21	H/15	45° 53' 30"	64° 34' 13"	Hillsborough
21	H/15	45° 53' 30"	64° 34' 13"	Hillsborough
21	H/15	45° 53' 30"	64° 34' 13"	Albert
21	H/15	45° 54' 09.9"	64° 52' 27.4"	Albert
21	H/16	45° 59' 15"	64° 29' 07"	Boss Point / Ward Point Member

74	Columbia/Corridor TCH, 1416.35 m	21 H/16	45° 59' 15"	64° 29' 07"	Albert
73	Columbia/Corridor TCH, 170.68 m	21 H/16	45° 59' 15"	64° 29' 07"	Albert
56	CS00-003	21 H/15	45° 55' 18.6"	64° 36' 38.7"	Round Hill
60	CS00-004	21 H/15	45° 55' 21.5"	64° 36' 39.1"	Weldon
62	CS00-005	21 H/15	45° 55' 25.0"	64° 36' 40.2"	Weldon
66	CS00-006	21 H/15	45° 55' 34.0"	64° 36' 45.1"	Weldon
226	CS00-022	21 H/15	45° 46' 18"	64° 30' 55"	Grande Anse
55	CS00-048A	21 H/15	45° 55' 6.6"	64° 36' 37"	Albert
57	CS00-048G	21 H/15	45° 55' 19.1"	64° 36' 39"	Round Hill
58	CS00-048H	21 H/15	45° 55' 19.9"	64° 36' 39.1"	Round Hill
59	CS00-048I	21 H/15	45° 55' 21.2"	64° 36' 39.1"	Weldon
61	CS00-048J	21 H/15	45° 55' 23.9"	64° 36' 40.1"	Weldon
63	CS00-048K	21 H/15	45° 55' 26.2"	64° 36' 41.4"	Weldon
64	CS00-048L	21 H/15	45° 55' 29.4"	64° 36' 42.2"	Weldon
65	CS00-048M	21 H/15	45° 55' 31.2"	64° 36' 42.7"	Weldon
67	CS00-048N	21 H/15	45° 55' 35.4"	64° 36' 47.5"	Weldon
54	CS00-068C	21 H/15	45° 47' 41"	64° 59' 55"	Albert
93	CS92-5	21 H/15	45° 56' 17.1"	64° 31' 32.2"	Lime-kiln Brook
27	CS92-54	21 H/15	45° 59' 42.4"	64° 34 32.7"	Albert
26	CS92-58	21 H/15	45° 59' 53.8"	64° 35' 16.3"	Albert
24	CS92-62	21 I/02	46° 00' 24.3"	64° 35' 04.7"	Albert
25	CS92-67	21 I/02	46° 00' 29.2"	64° 35' 16.1"	Albert
80	CS94-011	21 I/02	46° 09' 37.4"	64° 52' 53.7"	Weldon
79	CS94-012	21 I/02	46° 09' 41.9"	64° 53' 04.5"	Hillsborough
82	CS94-016	21 I/02	46° 09' 19.3"	64° 53' 15.7"	Weldon
75	CS94-030	21 I/02	46° 10' 04.3"	64° 52' 16.6"	Hillsborough
76	CS94-039	21 I/02	46° 10' 11.0"	64° 51' 48.5"	Hillsborough
78	CS94-068	21 I/02	46° 09' 44.8"	64° 51' 57.8"	Hillsborough
77	CS94-070d	21 I/02	46° 09' 49.0"	64° 52' 07.4"	Weldon
81	CS94-076	21 I/02	46° 09' 23.4"	64° 52' 14.0"	Hillsborough
250	CS94-106d	21 I/02	46° 06' 44"	64° 56' 05"	Richibucto
85	CS94-110	21 I/02	46° 08' 21.4"	64° 58' 34.3"	Hillsborough
86	CS94-112	21 I/02	46° 08' 14.9"	64° 59' 03.9"	Hillsborough
22	CS94-117	21 I/02	46° 09' 57.8"	64° 56' 07.6"	Albert
84	CS94-126b	21 I/02	46° 08' 57.1"	64° 56' 20.5"	Weldon
88	CS94-174	21 I/02	46° 08' 01.6"	64° 59' 52.2"	Hillsborough
87	CS94-188	21 I/02	46° 08' 09.1"	64° 59' 22.1"	Weldon

17	CS94-210	21 I/02	46° 12' 02.3"	64° 52' 08.9"	Indian Mountain
95	CS95-003f, -003h, -003k	21 H/15	45° 46' 49.0"	64° 38' 11.1"	Lime-kiln Brook
97	CS95-104	21 H/15	45° 46' 11.9"	64° 41' 46.2"	Lime-kiln Brook
144	CS95-168	21 H/15	45° 48' 50.6"	64° 37' 07.4"	Boss Point / Breau Creek Member
96	CS95-169	21 H/15	45° 46' 45.8"	64° 38' 06.5"	Lime-kiln Brook
165	CS95-262	21 H/10	45° 42' 56.1"	64° 41' 16.8"	Boss Point / Ward Point Member
154	CS95-295	21 H/10	45° 44' 50.6"	64° 44' 49.3"	Boss Point / Breau Creek Member
100	CS95-332	21 H/10	45° 40' 21.9"	64° 47' 02.8"	Maringouin
114	CS95-335, -335a	21 H/10	45° 40' 18.1"	64° 47' 01.8"	Shepody
112	CS95-411	21 H/10	45° 43' 16.1"	64° 42' 17.7"	Shepody
167	CS95-461	21 H/10	45° 37' 49.4"	64° 48' 00.9"	Boss Point / Ward Point Member
116	CS95-475	21 H/10	45° 36' 38.1"	64° 46' 41.5"	Shepody
168	CS95-481, -482	21 H/10	45° 35' 47.5"	64° 46' 53.1"	Boss Point / Ward Point Member
94	CS95-501, CS95-501a	21 H/15	45° 48' 55.2"	64° 34' 41.7"	Lime-kiln Brook
113	CS95-514	21 H/10	45° 40' 57.2"	64° 43' 10.7"	Shepody
119	CS95-552	21 H/10	45° 35' 52"	64° 46' 12"	Shepody
118	CS95-554	21 H/10	45° 36' 45"	64° 46' 19"	Shepody
123	CS95-568	21 H/10	45° 34' 35"	64° 58' 06"	Boss Point / Chignecto Bay Member
156	CS95-572	21 H/10	45° 34' 41"	64° 58' 01"	Boss Point / Breau Creek Member
117	CS96-001	21 H/10	45° 36' 04.6"	64° 47' 22.1"	Shepody
101	CS96-002	21 H/10	45° 36' 15.2"	64° 47' 22.5"	Maringouin
122	CS96-085b	21 H/10	45° 35' 27.5"	64° 57' 13.8"	Boss Point / Chignecto Bay Member
155	CS96-098	21 H/10	45° 36' 55.2"	64° 55' 44.8"	Boss Point / Breau Creek Member
98	CS96-273	21 H/10	45° 39' 46.6"	64° 44' 4.0"	Lime-kiln Brook
166	CS96-337	21 H/10	45° 38' 08.4"	64° 47' 05.9"	Boss Point / Ward Point Member
115	CS96-404	21 H/10	45° 38' 26.0"	64° 48' 31.0"	Shepody
193	DAE-19-001	21 I/01	46° 03' 54.0"	64° 06' 50.0"	Boss Point / Cole Point Member
235	D'Arcy Cape Bald 2, 727-35'	21 I/01	46° 08' 58"	64° 20' 36"	Salisbury
238	D'Arcy Port Elgin, 2601-06'	21 I/01	46° 03' 54"	64° 06' 50"	Salisbury
192	D'Arcy Port Elgin, 2826-34'	21 I/01	46° 03' 54"	64° 06' 50"	Boss Point / Cole Point Member
99	GSC D-1971	21 H/15	45° 48' 56.4"	64° 34' 37.2"	Hopewell Cape
1	GSC 6452 (See Loc. Ref. No. 2)	21 I/02	46° 02' 30.6"	64° 33' 44.3"	Memramcook
23	GSC 6454	21 I/02	46° 01' 11.5"	64° 33' 14.8"	Albert
259	GSC 6555	21 I/02	46° 08' 38.3"	64° 35' 10.8"	Richibucto
256	GSC 6556	21 I/02	46° 12' 56.8"	64° 32' 38.5"	Richibucto
126	GSC 6561	21 I/02	46° 00' 22.4"	64° 42' 22.7"	Boss Point / Breau Creek Member
249	GSC 6848	21 I/02	46° 06' 41.4"	64° 56' 03.6"	Richibucto

251	GSC 6855	21 I/02	46° 08' 00.1"	64° 49' 59.8"	Richibucto
181	GSC 6858	21 I/02	46° 02' 30.3"	64° 41' 53.3"	Boss Point / Cole Point Member
127	GSC 7977	21 I/02	46° 00' 15.0"	64° 42' 22.3"	Boss Point / Breau Creek Member
254	GSC 9856	21 I/02	46° 11' 17.0"	64° 47' 15.3"	Richibucto
143	GSC D1445	21 H/15	45° 53' 38.9"	64° 37' 06.9"	Boss Point / Breau Creek Member
3	GSC Localities 8810, 8813 and 8814	21 I/02	46° 02' 32.9"	64° 33' 43.4"	Memramcook
191	I0L-60-001	21 I/01	46° 04' 45.8"	64° 06' 47.5"	Boss Point / Cole Point Member
145	Imperial Dorchester 60-530'	21 H/15	45° 53' 21"	64° 31' 25"	Boss Point / Breau Creek Member
146	Imperial Dorchester 900-1070'	21 H/15	45° 53' 21"	64° 31' 25"	Boss Point / Breau Creek Member
237	Imperial Port Elgin, 1180-1720'	21 I/01	46° 04' 46"	64° 06' 48"	Salisbury
190	Imperial Port Elgin, 2040-2300'	21 I/01	46° 04' 46"	64° 06' 48"	Boss Point / Cole Point Member
134	Imperial Port Elgin, 2810-30'	21 I/01	46° 04' 46"	64° 06' 48"	Boss Point / Breau Creek Member
236	Imperial Port Elgin, 970-80'	21 I/01	46° 04' 46"	64° 06' 48"	Salisbury
41	Irving/Chevron East Stoney Creek No. 1, 1015-1400	21 H/15	45° 57' 52.2"	64° 41' 17.2"	Albert
40	Irving/Chevron East Stoney Creek No. 1, 215-1015 r	21 H/15	45° 57' 52.2"	64° 41' 17.2"	Albert
90	Irving/Chevron Hillsborough No. 1, 1235-1320 m	21 H/15	45° 55' 07.3"	64° 43' 12.0"	Weldon
43	Irving/Chevron Hillsborough No. 1, 1320-1355 m	21 H/15	45° 55' 07.3"	64° 43' 12.0"	Albert
44	Irving/Chevron Hillsborough No. 1, 1385-1870 m	21 H/15	45° 55' 07.3"	64° 43' 12.0"	Albert
45	Irving/Chevron Hillsborough No. 1, 1910-2575 m	21 H/15	45° 55' 07.3"	64° 43' 12.0"	Albert
239	Irving/Chevron Middlesex, 235m	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Salisbury
240	Irving/Chevron Middlesex, 250m	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Salisbury
241	Irving/Chevron Middlesex, 260m	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Salisbury
197	Irving/Chevron Middlesex, 315-320m	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Boss Point / Cole Point Member
194	Irving/Chevron Middlesex, 315m	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Boss Point / Cole Point Member
195	Irving/Chevron Middlesex, 320m	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Boss Point / Cole Point Member
196	Irving/Chevron Middlesex, 360m	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Boss Point / Cole Point Member
135	Irving/Chevron Middlesex, 395m	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Boss Point / Breau Creek Member
136	Irving/Chevron Middlesex, 400m	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Boss Point / Breau Creek Member
53	Little River No. 1, 1215-1380 m	21 H/15	45° 54' 26.6"	64° 56' 04.9"	Albert
52	Little River No. 1, 760-1215 m	21 H/15	45° 54' 26.6"	64° 56' 04.9"	Albert
139	MariCo Steeves Mills 2, 66-69m	21 H/15	45° 56' 13"	64° 48' 21"	Boss Point / Cole Point Member
140	MOL (Maritime Oilfields Ltd) 27, 100-308'	21 H/15	45° 57' 07"	64° 48' 32"	Boss Point / Breau Creek Member
234	Moncton Hump Yard Well, 289-337 m	21 I/02	46° 04' 24.6"	64° 52' 35.0"	Salisbury
133	NB 214, 390-400'	21 I/01	46° 05' 15"	64° 25' 40"	Boss Point / Breau Creek Member
184	NB 215, 160-180	21 I/02	46° 07' 14"	64° 32' 42"	Boss Point / Cole Point Member
185	NB 215, 340-350	21 I/02	46° 07' 14"	64° 32' 42"	Boss Point / Cole Point Member
248	NB 252, 210-240'	21 H/16	46° 55' 16"	64° 26' 22"	Salisbury

212	NB 252, 310-30'	21 H/16	45° 55' 16"	64° 26' 22"	Boss Point / Cole Point Member
224	NB 271, 340-50'	21 H/16	45° 51' 33"	64° 27' 11"	Boss Point / Cole Point Member
42	NBGO 104, 368-1003 m	21 H/15	45° 57' 20.2"	64° 43' 22.1"	Albert / Hiram Brook Member
141	NBGO (NB Gas and Oilfields) 100, 237-429'	21 H/15	45° 58' 15"	64° 48' 32"	Boss Point / Breau Creek Member
69	NBGO (NB Gas and Oilfields) 100, 2991-2'	21 H/15	45° 58' 15"	64° 48' 32"	Albert
70	NBGO (NB Gas and Oilfields) 100, 3139-48'	21 H/15	45° 58' 15"	64° 48' 32"	Albert
39	NBGO (NB Gas and Oilfields) 130-1, 1821-33'	21 H/15	45° 58' 20"	64° 42' 50"	Albert
142	NBGO (NB Gas and Oilfields) 47, 112-122'	21 H/15	45° 59' 03"	64° 44' 25"	Boss Point / Breau Creek Member
180	NBGO (NB Gas and Oilfields) 92, 110-115'	21 I/02	46° 01' 41"	64° 42' 52"	Boss Point / Cole Point Member
199	NBGO (NB Gas and Oilfields) Turtle Ck., 1133-43'	21 H/15	45° 57' 50'	64° 55' 13"	Boss Point / Cole Point Member
198	NBGO (NB Gas and Oilfields) Turtle Ck., 818-837'	21 H/15	45° 57' 50'	64° 55' 13"	Boss Point / Cole Point Member
29	Petro- Canada Dover No. 1, 101-260 m	21 H/15	45° 59' 17.2"	64° 38' 58.9"	Albert
31	Petro- Canada Dover No. 2, 48.5-319 m	21 H/15	45° 58' 57.0"	64° 38' 21.8"	Albert
38	Petro-Canada Boudreau No. 1, 62-138 m	21 H/15	45° 54' 38.2"	64° 36' 10.1"	Albert
8	U19-507 (GSC Loc. D2455)	21 I/02	46° 13' 50"	64° 48' 21"	Indian Mountain
9	U19-508	21 I/02	46° 13' 51.4"	64° 48' 14.3"	Indian Mountain
10	U19-513	21 I/02	46° 13' 53.2"	64° 48' 02.9"	Indian Mountain
16	U19-84-1	21 I/02	46° 12' 09.2"	64° 50' 26.3"	Albert
6	U19-84-3A	21 I/02	46° 12' 08.1"	64° 48' 16.5"	Hillsborough
12	U19-84-504	21 I/02	46° 13' 07.1"	64° 48' 44.8"	Albert
83	U20-50	21 I/02	46° 09' 47.7"	64° 55' 02.2"	Albert
21	U20-509	21 I/02	46° 10' 00"	64° 55' 21.6"	Albert
19	U20-519	21 I/02	46° 10' 59.5"	64° 51' 44.6"	Albert
18	U20-529	21 I/02	46° 10' 59.5"	64° 51' 44.6"	Albert
20	U20-544	21 I/02	46° 10' 41"	64° 55' 32"	Indian Mountain
4	U20-84-10C	21 I/02	46° 11' 27.5"	64° 49' 07.3"	Hillsborough
89	U20-84-13	21 I/02	46° 07' 57.6"	64° 58' 36.6"	Hillsborough
5	U20-84-28	21 I/02	46° 11' 51.5"	64° 48' 35.1"	Hillsborough
49	U23-587	21 H/15	45° 50' 48.9"	64° 51' 11.6"	Albert
47	U23-607	21 H/15	45° 51' 41.3"	64° 48' 52.8"	Albert
48	U23-609A	21 H/15	45° 51' 39.7"	64° 48' 54.2"	Albert
50	U23-65	21 H/15	45° 50' 45.1"	64° 51 52.6"	Albert
51	U23-74	21 H/15	45° 50' 40.2"	64° 51' 56.4"	Albert
14	V19-84-15	21 I/02	46° 12' 37.5"	64° 46' 58.2"	Indian Mountain
7	V19-84-2	21 I/02	46° 12' 22.9"	64° 47' 46.1"	Hillsborough
13	V19-84-9	21 I/02	46° 12' 34.6"	64° 47' 30.0"	Indian Mountain
11	V19-9	21 I/02	46° 14' 9.2"	64° 47' 00"	Albert

46	V23-164	21 H/15	45° 51' 49.2"	64° 47' 59.3"	Albert
2	W21-5, GSC Loc. D2460 (Probably same locality a	21 I/02	46° 02' 32"	64° 33' 46"	Memramcook
28	W22-510	21 H/15	45° 59' 31.0"	64° 34' 26.6"	Albert
37	W23-4	21 H/15	45° 55' 57.4"	64° 35' 40.6"	Albert

Assemblage/Remarks
Significant species: Illinites annosus, I. unicus, I. boehneri, Protohaploxypinus spp. (F), Punctatosporites granifer (F), P. minutus (A), Reticulatisporites reti
Significant species: Ahrensisporites beeleyensis, A. cf. beeleyensis, Cananoropollis janakii, C. cf. mehtae, Florinites florinii (R), F. spp. (VA), Illinites spp., K
Significant Species: Colatisporites decorus (A), Crassispora kosankei (A), Florinites visendus (A), Granulatisporites microgranifer, Lycospora spp. (VA), Sp
Remarks: This is an extremely poor sample with few palynomorphs. Apart from species of Lycospora there are only single specimens of Florinites visendu
Remarks: There is an abundance of species present which are characteristic of the Windsor-Mabou but in proportions which suggest reworking. Florinites
Significant species: Ahrensisporites cf. beeleyensis, Auroraspora solisorta, Florinites florinii, F. spp. (A), Lycospora spp. (VA), L. orbicula, Plicatipollenites r
Significant species: Apiculatisporis variocorneus, Auroraspora solisorta, Cananoropollis janakii, C. mehtae, Florinites florinii (A), F. mediapudens, F. pumi
Significant species: Auroraspora solisorta, Cananoropollis janakii, C. mehtae, Florinites florinii, F. junior, F. pumicosus (VA), F. visendus (VA), Illinites spp.,
Significant species: Crassispora kosankei, Florinites florinii, F. mediapudens, F. pumicosus, Lycospora orbicula, L. spp. (A), Plicatipollenites malabarensis,
Significant species: Cadiospora magna (A), C. cf. magna (C), Illinites boehneri, I. unicus, Punctatosporites oculus, Raistrickia cf. aculeata, Triquitrites tribul
Remarks: Same as Locality Reference No. 260 above.
Significant species: Ahrensisporites beeleyensis, Granasporites medius, Lycospora noctuina, L. rotunda. Remarks: This sample was described with 2A2 a
Significant species: Ahrensisporites beeleyensis, ?Granasporites medius, Punctatosporites sp.. Remarks: This sample was described with 2A2 and 1A1 (s
Significant species: , Florinites florinii (A), F. mediapudens, F. spp. (A), Lycospora orbicula (R), L. spp. (A), Plicatipollenites malabarensis (F), Potonieisporit
Significant Species: Anapiculatisporites cf. vergrandis, Auroraspora solisorta (A), Colatisporites decorus (F-A), Florinites visendus (A), Potonieisporites spp
Significant species; Anapiculatisporites cf. vergrandis, Crassispora kosankei, Florinites florinii (F), F. pumicosus (A), F. visendus (A), Lycospora cf. orbicula
Significant Species: Anapiculatisporites cf. vergrandis, Auroraspora solisorta (A), Colatisporites decorus (F-A), Florinites visendus (A), Potonieisporites spp
Significant species: Apiculatisporis variocorneus, Crassispora kosankei, Cyclogranisporites aureus (VA), Florinites florinii, F. spp. (A), Kraeuselisporites orn
Significant species: Anapiculatisporites spp., Auroraspora solisorta, Florinites florinii, F. spp. (A), Kraeuselisporites ornatus (F), Lycospora orbicula, L. rotur
Significant species: Apiculatisporis cf. variocorneus, Cananoropollis sp., cf. Cordaitina sp., Crassispora kosankei, Florinites mediapudens, F. pumicosus (A
Significant Species: Crassispora trychera, Knoxisporites literatus, Retusotriletes incohatus (VA), Rugospora minuta, Spelaeotriletes cabotii, S. echinatus, V.
Significant species: Cadiospora magna (R), Cananorpollis spp., Cirratriradites maculatus, C. saturni, Crassispora kosankei (A), Endosporites globiformis (
Significant species: Illinites unicus, Potoniesporites spp., Protohaploxypinus spp. (R), Punctatosporites granifer, P. minutus, P. oculus, Striatoabieites spp. (
Significant species: Cannanoropollis janakii, Florinites spp. (C), Hamiapollenites tractiferinus (R), Illinites unicus (VA), Potonieisporites spp. (A), Protohaplo
Significant species: Florinites spp. (C-A), Illinites unicus (C-A), Lycospora spp. (VA), Plicatipollenites sp., Protohaploxypinus sp. (R), Punctatosporites grar
Remarks: The residue consists mainly of inertinitic debris and palynomorphs are rare. There is some obvious reworking present. If the specimens of Illinite
Significant species: Cristatisporites sp., Florinites cf. mediapudens, F. visendus, Knoxisporites stephanephorus, K. triradiatus, Potonieisporites sp.. Remark
Significant species: Florinites visendus (C-A), Spelaeotriletes arenaceus. Remarks: This is a typical Boss Point assemblage. The presence of Spelaeotrilete
Significant species: Florinites visendus, Lycospora orbicula (C-A), L. pellucida, Potonieisporites spp.. Remarks: This sample was analysed for the Natmap
Significant Species: Florinites pumicosus, F. visendus, Lycospora orbicula (VA), Potonieisporites spp., Savitrisporites nux. Remarks: Lycospora orbicula is
Significant Species: Florinites visendus, Kraeuselisporites spp. (C). Lycospora orbicula (R), Potonieisporites spp.. Remarks: Rare specimens of Lycospora
Significant species: Anapiculatisporites cf. vegrandis, Crassispora kosankei, Florinites visendus (C-A), Grandispora spinosa, Ibrahimispores spp., Knoxisp
Significant Species: Anapiculatisporites cf. vegrandis, Crassispora kosankei, Florinites visendus (C-A), Grandispora spinosa, Ibrahimispores spp., Knoxisp
Remarks: This is a rich sample with a composition similar to the in situ assemblage in SJ95-354A3 (see Locality Reference No. 130). [Note: This assembl
Significant species: Cordylosporites danzei (C), Grumosisporites spp. (A), G. aff. rufus, G. varioreticulatus,, G. cf. verrucosus, Lycospora orbicula (A), L. p
Significant Species: Caheniasaccites crenatus, Colatisporites decorus, Cristatisporites spp., Densosporites spp., Discernisporites micromanifestus, Florinite

Significant Species: Auroraspora solisorta, Florinites pumicosus (A), F. visendus (A), Granulatisporites granulatus, Knoxisporites stephanephorus, Lycospo
Significant Species: Apiculatisporites spinulistratus, Auroraspora solisorta, Cingulizonates spp., Florinites cf. florinii, F. pumicosus, F. visendus, Granulatisp
Significant Species: (?)Apiculatisporites spinulistratus, Granulatisporites granulatus, Lycospora noctuina, (?)L. orbicula, L. pellucida (A), L. pusilla (A), Sacc
Significant Species: Apiculatisporis cf. variocorneus, A. cf. vegrandis, Auroraspora macra (R.W.), A. solisorta, Colatisporites decorus, Densosporites spp., I
Significant Species: Anapiculatisporites cf. vegrandis, Auroraspora macra (R.W.), A. solisorta, Colatisporites decorus, Densosporites annulatus, Florinites p
Significant Species: Anapiculatisporites cf. vegrandis, Auroraspora macra (R.W.), A. solisorta, Colatisporites decorus, Florinites visendus (A), Granulatispo
Significant Species: Auroraspora solisorta (A), Caheniasaccites crenatus, Florinites pumicosus (A), F. visendus (A), Granulatisporites granulatus, Knoxisp
Significant Species: Anapiculatisporites "minutus", A. cf. vegrandis, Auroraspora solisorta, Caheniasaccites crenatus, Colatisporites decorus, Florinites pun
Remarks: See Locality Reference No. 109 above.
Remarks: See Locality Reference No. 109 above.
Significant Species: Auroraspora macra (A), Crassispora trychera (A), Florinites visendus, Potonieisporites sp., Raistrickia magdalena, Retusotriletes incoh
Significant species: Auroraspora macra, Crassispora trychera (EA), Knoxisporites stephanephorus, Retusotriletes incohatus, Rugospora minuta, R. polypt
Species: Anapiculatisporites cf. vegrandis, Auroraspora solisorta (D), ? Bisaccate pollen spp., Caheniasaccites crenatus, Cannanoropollis janakii, C. mehta
Species: Anapiculatisporites cf. vegrandis (D), Auroraspora solisorta (A), ? Bisaccate pollen spp, Caheniasaccites crenatus, Cannanoropollis janakii, C. cf.
Significant Species: Auroraspora solisorta, Calamospora breviradiatus, C. parva, C. spp., Colatisporites decorus, Crassispora kosankei, Cyclogranisporites
Species: Anapiculatisporites cf. vegrandis (D), (?)A. variocorneus, Auroraspora solisorta (D), Cannanoropollis janakii, C. mehtae, Colatisporites decorus (D
Species: Anapiculatisporites cf. vegrandis (D), Auroraspora solisorta (D), Caheniasaccites crenatus, Cannanoropollis janakii, Colatisporites decorus, Florini
Remarks: The four samples (95SJ-449C4, -449D4, -449D11, -449E7; see Locality Reference Nos. 157-160) all contain assemblages typical of the Boss Pc
Remarks: See Locality Reference No. 157 above. [Note: This assemblage was not restudied by Dolby during his1999 reassessment of the Boss Point and
Remarks: See Locality Reference No. 157 above. [Note: This assemblage was not restudied by Dolby during his1999 reassessment of the Boss Point and
Remarks: See Locality Reference No. 157 above. [Note: This assemblage was not restudied by Dolby during his1999 reassessment of the Boss Point and
Significant Species: Auroraspora solisorta, , Crassispora kosankei, Cyclogranisporites aureus, Florinites cf. Florinii, F. pumicosus, F. visendus, Granulatisp
Significant Species. Auroraspora solisorta (A), Caheniasaccites crenatus, Colatisporites decorus, , Florinites pumicosus, F. visendus, Granulatisporites gra
Significant Species: Anapiculatisporites "minutus", A. cf. vegrandis, Apiculatisporis variocorneus, Auroraspora solisorta, Cingulizonates spp., Colatisporites
Significant Species: Auroraspora macra (A), Crassispora trychera (A), ?Potonieisporites sp, Raistrickia magdalena, Retusotriletes incohatus, Rugospora co
Remarks: This sample is from a bed about 2 m below 95SJ-475D1 (see Locality Reference No. 148) and about 5 m above the base of the Boss Point Form
Significant Species: Auroraspora macra (A), Colatisporites decorus (A), Crassispora trychera (A), Florinites visendus (R), Potonieisporites spp. (R), Raistri
Remarks: Similar assemblage and remarks as Locality Reference No. 206. [Note: This assemblage was not restudied by Dolby during his1999 reassessm
Significant species: Anapiculatisporites cf. vegrandis, Crassispora kosankei, Florinites visendus, Lycospora aff. orbicula, L. pellucida (A), L. pumicosus, L.
Remarks: This sample yielded abundant inertinitic debris but very few spores (28 specimens) of which 11 are Lycospora pellucida. The presence of Cinguli
Species: Anapiculatisporites cf. vergrandis, Auroraspora solisorta, Colatisporites decorus, Cannanoropollis janakii, C. mehtae, Cyclogranisporites aureus, I
Species: Anapiculatisporites cf. vergrandis, Auroraspora solisorta, Caheniasaccites crenatus, Colatisporites decorus, Cannanoropollis janakii, Elaterosporit
Species: Colatisporites decorus, Florinites mediapudens, Lycospora pellucida, Schopfipollenites acadiensis/ellipsoides. Remarks: See Locality Reference I
Significant Species: Punctatosporites minutus (F), Knoxisporites triradiatus, Triquitrites sculptilis (A), T. cf. tribullatus. Remarks: This sample is similar to 95
Significant Species: Striatoabieites sp.,? Illinites spp.,? Protohaploxypinus sp., Florinites spp. (VA), Rugospora calderi. Remarks: Although rich, this assem
Remarks: See Locality Reference No. 104 above.
Remarks: See Locality Reference No. 104 above.

Significant Species: Auroraspora macra (C-A), Colatisporites decorus (A), Retusotriletes incohatus (A), Rugospora minuta (A), Schopfipollenites spp. (C-A)
Remarks: See Locality Reference No. 104 above.
Significant Species: Auroraspora macra (C), Colatisporites decorus (C), Crassispora trychera (A), Retusotriletes incohatus (A), Schopfilpollenites spp. (A), S
Remarks: The organic residue is dominated by inertinitic particles and palynomorphs are very rare. Lycospora pellucida specimens are the most numerous
Species: Caheniasaccites crenatus, Colatisporites decorus, Florinites pumicosus (C), F. visendus, ? Potonieisporites spp., Rugospora gracilirugosa, Sacca
Species: Anapiculatisporites cf. vegrandis, Auroraspora solisorta (A), (?) Bisaccate pollen spp., Colatisporites decorus, (?)Cyclogranisporites aureus, Florin
Species: Auroraspora solisorta, Bisaccate pollen spp., (?)Cananoropollis mehtae, Colatisporites decorus, Cyclogranisporites minutus, Florinites florinii, F. p
Species: Calamospora spp., Cyclogranisporites aureus, C. minutus, Florinites florinii, F. mediapudens, (?)F. mediapudens, F. visendus, Granulatisporites g
Species: Auroraspora solisorta, Colatisporites decorus, (?)Cyclogranisporites aureus, C. minutus, Florinites florinii (A), F. pumicosus , F. visendus, Granula
Species: Auroraspora solisorta, Colatisporites decorus, Cyclogranisporites aureus, Florinites florinii (D), F. pumicosus (A), F. visendus, Granulatisporites gr
Species: Florinites florinii, reworked Devonian spores. Remarks: See Locality Reference No. 200.
Species: Auroraspora solisorta, Bisaccate pollen spp., Caheniasaccites crenatus, Colatisporites decorus, Cyclogranisporites aureus, Florinites florinii (D), F
Species: Auroraspora solisorta, Caheniasaccites crenatus, Florinites florinii (A), F. mediapudens, F. pumicosus (A), F. visendus (A), Knoxisporites stephan
Species: ? Bisaccate pollen spp., Cyclogranisporites aureus, C. minutus, Florinites florinii (D), F. millottii, F. pumicosus (D), F. visendus (A), Knoxisporites c
Species: Auroraspora solisorta, ?Cyclogranisporites aureus, Florinites florinii (A), ?F. mediapudens, F. pumicosus (A), F. visendus, Granulatisporites granu
Species: Auroraspora solisorta, Florinites pumicosus, F. visendus, ?Knoxisporites stephanephorus, ?K. triradiatus, Rugospora robusta, Saccate fragments
Significant species: Auroraspora solisorta, Florinites pumicosus, F. visendus (C), Kraeselisporites ornatus, Illinites sp., Lycospora pellucida (F), Potonieisp
Significant species: Auroraspora solisorta, Bisaccate pollen grain, Cyclogranisporites minutus, Florinites. cf. florinii, F. pumicosus (C), F. spp. (A), F. visenc
Significant species: Auroraspora solisorta, Florinites pumicosus (A), F. visendus (A), Illinites sp., Knoxisporites dissidius, Kraeuselisporites ornatus, Lycosp
Significant species: Auroraspora solisorta, Florinites pumicosus, F. visendus (C), Illinites sp., Kraeuselisporites ornatus, Potonieisporites spp. (C), Striate t
Significant species: Auroraspora solisorta, Florinites florinii, F. mediapudens, F. pumicosus (A), F. visendus (A), Kraeuselisporites ornatus, Lycospora pellu
Significant species: Auroraspora solisorta, Florinites pumicosus (C), F. visendus (C), Knoxisporites dissideus, Potonieisporites spp. (R), Striate bisaccate p
Significant species: Auroraspora solisorta, Florinites florinii (C), F. mediapudens, F. pumicosus (A), F. visendus (C), Kraeuselisporites ornatus, Lycospora
Species: Cyclogranisporites commodus, Dictyotriletes submarginatus, Discernisporites crenulatus, Grandispora uncata, Raistrickia ponderosa, Spelaeotrile
Species: Auroraspora macra, Converrucosisporites parvinodosus, Convolutispora flexuosa f. major, C. vermiformis, Dictyotriletes submarginatus, Discernis
Species: Converrucosisporites parvinodosus, Cyclogranisporites commodus, Dictyotriletes submarginatus, Discernisporites micromanifestus, Grandispora
Species: Cyclogranisporites commodus, Grandispora echinata, G. uncata, Punctatisporites irrasus, P. planus, Spelaeotriletes pretiosus, Vallatisporites verr
Species: Cyclogranisporites commodus, Discernisporites micromanifestus, Grandispora echinata, G. uncata, Leiotriletes ornatus, Punctatisporites irrasus,
Species: Cyclogranisporites commodus, Grandispora echinata, G. uncata, Punctatisporites irrasus, P. planus, Raistrickia clavata, Retusotriletes incohatus,
Remarks: This sample yielded an assemblage characterised by a Cumberland Group fraction with the addition of striate bisaccate pollen. There are no spe
Remarks: This assemblage is dominated by specimens of Lycospora spp. and Granulatisporites spp. but saccate pollen are rare. A specimen of Florinites
Significant species: Cristatisporites mathewsii, Dibolisporites abstrusus, D. distinctus, Spelaeotriletes cabotii (R), S. echinatus, Vallatisporites vallatus, V. v
Significant species: Cristatisporites mathewsii, Dibolisporites distinctus, Grandispora uncata, Spelaeotriletes cabotii, S. cf. crustatus, S. echinatus, Verrucos
Significant species: Cristatisporites mathewsii, Dibolisporites distinctus, Grandispora uncata, Spelaeotriletes cabotii, S. cf. crustatus, S. echinatus, Verrucos
Significant species: Cristatisporites mathewsii, Dibolisporites abstrusus, D. distinctus, Spelaeotriletes cabotii (R), S. echinatus, Vallatisporites vallatus, V. v
Significant Species: Auroraspora macra, Corystisporites spp., Cristatisporites mathewsii, Indotriradites explanatus, Spelaeotriletes aff. obtusus, Vallatispor
Significant species: Auroraspora macra (C), A. solisorta, Colatisporites decorus(C), Crassispora trychera, Knoxisporites stephanephorus, K. triradiatus, Lop

Significant species: Auroraspora cf. torquata, Corystisporites sp., Hystrichosporites sp., Raistrickia variabilis, Spelaeotriletes echinatus, Vallatisporites sp.
Significant species: Auroraspora corporiga, A. macra, Corystisporites sp., Cristatisporites mathewsii, Dictyotriletes cancellatus, Kraeuselisporites aff. fasci
Species: Auroraspora macra, ?Crassispora trychera, Cristatisporites cf. mathewsii, Dictyotriletes cancellatus, Raistrickia clavata, Retusotriletes incohatus (
Species: ?Crassispora trychera, Dibolisporites abstrusus, D. distinctus, Dictyotriletes cancellatus, Grandispora uncata, Pustulatisporites gibberosus, Retusc
Species: Auroraspora macra, Dictyotriletes cancellatus, Discernisporites micromanifestus, Grandispora uncata, Leiozonotriletes insignitus, Pustulatisporites
Species: Auroraspora macra, Dictyotriletes trivialis, Discernisporites micromanifestus, Grandispora uncata, Knoxisporites literatus, Retusotriletes incohatus
Significant species: Auroraspora solisorta (C), Florinites cf. mediapudens, F. pumicosus, F. visendus, Knoxisporites triradiatus, Raistrickia saetosa, Savitris
Species: Auroraspora macra, Cristatisporites mathewsii (A), Dictyotriletes cancellatus, Discernisporites micromanifestus, Grandispora uncata, Neoraistricki
Species: Cristatisporites cf. mathewsii, Knoxisporites literatus, Neoraistrickia logani, Retusotriletes incohatus, Spelaeotriletes cabotii, S. echinatus, Verrucc
Species: Auroraspora macra, Grandispora uncata, Knoxisporites literatus, Pustulatisporites gibberosus, Retusotriletes incohatus (A), Spelaeotriletes cabotii
Species: Grandispora uncata, Knoxisporites literatus, Pustulatisporites gibberosus (F), Retusotriletes incohatus (A), Spelaeotriletes cabotii (C), S. echinatus
Species: Knoxisporites literatus, ?Leiozonotriletes insignitus, Pustulatisporites gibberosus, Retusotriletes incohatus (A), Spelaeotriletes cabotii (C), S. echin
Species: Dibolisporites abstrusus, D. distinctus, Discernisporites micromanifestus, Grandispora uncata, Knoxisporites literatus, Pustulatisporites gibberosus
Species: Cristatisporites aff. mathewsii, Dibolisporites distinctus, Dictyotriletes cancellatus, Grandispora uncata, ?Leiozonotriletes insignitus, Pustulatisporit
Species: Dibolisporites abstrusus, D. distinctus, Dictyotriletes trivialis, Discernisporites micromanifestus, Grandispora uncata, Knoxisporites literatus, Retus
Species: Dictyotriletes trivialis, Discernisporites micromanifestus, Knoxisporites literatus, Retusotriletes incohatus (D), ?Rugospora polyptycha, Spelaeotrile
Significant species: Auroraspora macra, Converrucosisporites parvinodosus (A), Cristatisporites mathewsii, Dictyotriletes cancellatus, D. trivialis, Emphanis
Species: Retusotriletes cf. avonensis., R. spp., Rugospora polyptycha, Remarks: Amorphous kerogen is abundant but spores are very rare. R. polyptycha
Species: cf. Ancyrospora sp., Auroraspora macra, Cymatiosphaera sp. (R.W.), Dictyotriletes cancellatus, D. subalveolaris, Discernisporites crenulatus, Gra
Species: Auroraspora macra, Corystisporites rugulatus, Cyclogranisporites commodus, Discernisporites crenulatus (A), Granulatisporites cf. frustulentus, K
Species: Auroraspora macra, Discernisporites crenulatus (A), Grandispora cf, cornuta, Hymenozonotriletes explanatus, Knoxisporites literatus, Kraeuselisp
Species: Discernisporites crenulatus, Granulatisporites cf. frustulentus, Knoxisporites literatus, Retusotrilites incohatus. Remarks: Very small assemblage,
Remarks: Most of the assemblage consists of contaminants. Rare Retusotriletes incohatus and Crassispora trychera are present but there are insufficient
Significant Species: Anapiculatisporites hystrichosus (R), Auroraspora macra (A), Crassispora trychera (A), Schopfites claviger (R), Spelaeotriletes cabotii (
Remarks: Same assemblage and remarks as sample CS94-012 (Locality Reference No. 81, see above).
Significant Species: Crassispora trychera (A), Retusotriletes incohatus (A), Rugospora polyptycha, Verrucosisporites nitidus (A). Remarks: This assemblag
Remarks: This sample closely resembles CS94-012 and CS94-016 (Locality Reference Nos. 81 and 84 respectively, see below).
Significant Species: Auroraspora macra (R), Crassispora trychera (R), Knoxisporites literatus (R), Rugospora polyptycha (R). Remarks: This is a poor asse
Remarks: This assemblage is essentially identical to CS94-012, CS94-016 and CS94-039 (Locality Reference Nos. 81, 84 and 78, respectively, see below
Remarks: This assemblage is essentially identical to CS94-012, CS94-016 and CS94-039 (Locality Reference Nos. 81, 84 and 78 respectively). Crassispor
Significant species: Punctatospotites granifer, Triquitrites cf. sculptilis, Triquitrites cf.tribullatus, Vestispora cf. fenestrata. Remarks: The spore-pollen asse
Remarks: This sample closely resembles CS94-030 (Locality Reference No. 77, see above) except that it also contains a few Collatisporites decorus and a
Remarks: Spores are rare in this small residue. A specimen of Crassispora trychera, if in situ indicates an age no older than Upper 3A. There is nothing els
Remarks: Although rich, pyrite has damaged most specimens beyond recognition. A specimen of Cristatisporites mathewsii and of Leiozonotriletes cf. insig
Significant Species: Crassispora trychera (A), Schopfites claviger (A), Spelaeotriletes cabotii (A), S. crenulatus (A), S. cf. echinatus (A), Verrucosisporites n
Remarks: Auroraspora macra, Crassispora trychera and Spelaeotriletes crenulatus are all abundant and there is no sign of a Zone 4 influence. The preser
Remarks: This sample resembles others in this group assigned a 4-5 transition age. Crassispora trychera is abundant and there are a few specimens of Sp

Remarks: Spores are rare and poorly preserved. The overall impression is of a pre-Albert age but there are insufficient data to be certain.
Significant Species: Auroraspora macra, Colatisporites decorus, Crassispora trychera (VA), Lycospora pellucida, L. pusilla, Pustulatisporites multicapitis, R
Significant Species: Auroraspora macra, Colatisporites decorus, Crassispora trychera (VA), Lycospora pellucida, L. pusilla, Pustulatisporites multicapitis, R
Significant species: Anapiculatisporites cf. vegrandis, Auroraspora solisorta (A), Caheniasaccites crenatus, Florinites pumicosus, F. visendus (VA), Guthoe
Remarks: This is a poor assemblage that closely resembles other Lower Windsor samples in this study.
Remarks: See Locality Reference No. 154. [Note: This assemblage was not restudied by Dolby during his1999 reassessment of the Boss Point and Grand
Remarks: This sample and CS95-262 (see Locality Reference No. 165) closely resemble CS95-168 (see Locality Reference No. 144), although they are nc
Significant Species: Auroraspora macra, Crassispora trychera, Rugospora minuta, R. polyptycha, Schopfites claviger, Schopfipollenites acadiensis, Spelae
Remarks: See Locality Reference No. 100 above.
Significant Species: Auroraspora macra (A), Crassispora trychera (A), Dictyotriletes odontolophos, Knoxisporites stephanephorus, Lycospora noctuina, L. p
Significant species: Caheniasaccites crenatus, Cannanoropollis spp., Florinites pumicosus (C-A), F. visendus (A), Potonieisporites spp., Schopfipollenites e
Significant Species: Auroraspora macra, Crassispora trychera (A), Reusotriletes incohatus, Rugospora minuta, Schopfites claviger, Schopfipollenites ellipsc
Remarks: Neither sample is rich but the species lists are typical of the Boss Point Formation. Monosaccate pollen are numerous as are reworked Early Pal
Significant Species: Auroraspora macra, Crassispora trychera (VA), Retusotriletes incohatus, Rugospora cf. corporata, R. minuta, Schopfites claviger, Sch
Significant Species: Crassispora trychera (A), Retusotriletes incohatus (A), Rugospora minuta, Schopfites claviger (A), Schopfipollenites acadiensis (A), S.
Significant Species: Auroraspora macra, A. solisorta, Crassispora trychera (A), Knoxisporites stephanephorus, Raistrickia magdalena, Retusotriletes incoh
Significant Species: Auroraspora macra, A. solisorta, Crassispora trychera (A), Incertae sedis Neves & Belt, Lycospora pellucida, Raistrickia magdalena, R
Significant Species: Colatisporites decorus, Crassispora trychera (R), Florinites visendus (VA), Potonieisporites spp. (R). Remarks: Palynomorphs are relat
Significant species: Florinites pumicosus, F. visendus, Lycospora pellucida, Potonieisporites spp., Rugospora gracilirugosa, R. minuta. Remarks: Although
Significant Species: Auroraspora macra, A. solisorta, Crassispora trychera, Raistrickia cf. magdalena, Retusotriletes incohatus, Rugospora minuta, Schop
Remarks: The Windsor-Mabou arid association is abundant here but the assemblage lacks diversity. The assemblage is not dissimilar to CS96-001 (Locali
Significant Species: Crassispora trychera (A), Knoxisporites triradiatus (A), K. stephanephorus (R), Lycospora pellucida (A), Potonieisporites sp. (R), Raistr
Significant species: Florinites pumicosus (A), F. visendus (A), Plicatipollenites spp. (R), Potonieisporites (A), Rugospora calderi (in sanple CS96-098 only),
Significant Species: Auroraspora macra, Crassispora trychera, Retusotriletes incohatus, Rugospora minuta. Remarks: Although the sample is rich and of r
Significant species: Florinites pumicosus (A), F. visendus (A), Plicatipollenites spp. (R), Potonieisporites (A), Rugospora calderi (in sample CS96-098 only,
Significant Species: Auroraspora macra, Crassispora trychera (A), Raistrickia magdalena, Retusotriletes incohatus (A), Rugospora minuta, Schopfites clavi
Remarks: The sample represents cuttings from two depth intervals, 956.8 - 972.9 m (3140-3190')and 972.9 - 991.2 m (3190-3250') in the D'Arcy Port Elgin
Significant species: Endosporites globiformis (VA), E. zonalis, Granasporites medius (VA), Hamiapollenites tractiferinus, Illinites boehnerii, I. unicus, Knoxi
Significant species: Endosporites globiformis, Illinites unicus, Triquitrites cf. bransonii, T. cf. sculptilis, Vestispora pseudoreticulata, V. tortuosa. Remarks:
Significant species: Crassispora kosankei (A), Florinites florinii, F. mediapudens, F. pumicosus (C), F. visendus (A), Reticulatisporites polygonalis, Rugospc
Significant Species: Auroraspora macra, Convolutispora labyrinthea, C. tessellata, Crassispora trychera, Discernisporites micromanifestus, Punctatisporites
Species: ? Ancyrospora sp., Cyclogranisporites sp., Emphanisporites rotatus McGregor, , Hystricosporites sp., Perotrilites = Hymenozonotriletes hyalinus, H
Species: Acanthotriletes cf. A. hacquebardii Playford, Apiculatasporites sp., cf. Archaeozonotriletes dedaleus Kedo, Grandiospora (Spinozonotriletes) sp., c
Remarks: This is a rich assemblage typical of Association 3. Specimens of Thymospora pseudothiesseni and Raistrickia aculeata indicate an age no older
Significant species: Illinites unicus, Punctatosporites spp. (A), Triquitrites additus, T. sculptilis, T. tribullatus, Vestispora fenestrata, V. laevigata, cf. Verruco
Remarks: This is a typical lower Cumberland assemblage of long-ranging forms. The only species of note is Spore type A which occurs in abundance and
Remarks: This is a poor assemblage containing a lot of blackened corroded spores that were presumably reworked. There is also some well-preserved Or

Remarks: This assemblage resembles GSC 6556 (Locality Reference No. 256, see below) except that it is much richer. The age is based on the presence
Remarks: This assemblage is dominated by extremely abundant Windsor-Mabou spores. The presence of Crassispora kosankei, Potonieisporites spp. anc
Remarks: This is a typical lower Cumberland assemblage from Association 1. Florinites visendus and Potonieisporites spp. are both abundant, but small sp
Significant species: Hamiapollenites tractiferinus (A), Illinites annosus, I. unicus (A), Latosporites cf. minutus (A), Potonieisporites spp. (A), Protohaploxypir
Remarks: This is an extremely poor assemblage of only 34 specimens. There is evidence in this slide of reworking of Devonian and possibly Windsor-Mat
Species: 8810: Ancyrospora spp., Aneurospora greggsii (McGregor) Streel, ?Grandispora magnifica Owens, Hymenozonotriletes varius Naumova, Hystricc
Remarks: Sample is from depth of 691.9 - 704.1 m (2270-2310') in Imperial Port Elgin No. 1 well. The sample resembles other lower Cumberland Group sa
Significant species: Florinites pumicosus, F. visendus, Ibrahimispores brevispinosus, Knoxisporites spp., Kraeuselisporites cf. echinatus, Potonieisporites s
Significant species: Auroraspora macra, A. solisorta, Colatisporites decorus, Crassispora trychera, Florinites visendus, Knoxisporites triradiatus, Potonieisp
Significant species: Aumancisporites striatus sensu Ravn, Endosporites globiformis, Hamiapollenites tractiferinus, Illinites boehnerii, I. unicus, Knoxisporite
Species: Anapiculatisporites sp. 271, Auroraspora macra, A. solisorta, Calamospora parva, Colatisporites decorus, Crassispora kosankei, Cyclogranisporite
Species: Auroraspora macra, A. solisorta (C), Calamospora spp., Colatisporites decorus, Crassispora trychera, Discernisporites micromanifestus, Kraeusel
Significant species: Lycospora granulata, L. pellucida (A), L. pusilla (A), ?Punctatosporites sp., Triquitrites cf. sculptilis. Remarks: This is a poor assemblag
Remarks: There is a marked drop in the numbers of S. cabotii, Vallatisporites vallatus and V. verrucosus at the top of this interval and S. obtusus appears.
Remarks: The age of this interval is based on the presence of Verrucosisporites congestus and abundant Spelaeotriletes cabotii at and below 215 m and U
Remarks: The one sample from this interval (1235-1240 m) yielded a poorly preserved assemblage of thermally altered and corroded spores. Specimens o
Species: Apiculiretusispora fracticosa, Auroraspora macra, Colatisporites decorus, Crassispora trychera (A), Cristatisporites mathewsii (R), Plicatispora qua
Species: Auroraspora macra, Crassispora trychera, Cristatisporites mathewsii (R), Discernisporites micromanifestus, Grandispora uncata, Leiozonotriletes
Species: Leiozonotriletes insignitus, Retusotriletes incohatus, Spelaeotriletes cf. balteatus, S. cabotii, S. cf. cabotii, S. cf. echinatus, S. echinatus, S. obtusu
Species: Calamospora spp.,Cannanoropollis janakii, Colatisporites decorus, Cyclogranisporites aureus, Endosporites globiformis (C), Florinites florinii (C), I
Species: Auroraspora solisorta, Bisaccate pollen spp., Caheniasaccites crenatus, Cannanoropollis janakii, (?)C. mehtae, Colatisporites decorus, Cyclogran
Species: Auroraspora solisorta, Bisaccate pollen spp., Calamospora spp., Cannanoropollis janakii, Colatisporites decorus, Crassispora kosankei, Cyclograı
Species: Apiculatisporis sp., Calamospora breviradiata, Cirratriradites sp., Convolutispora sp., Cyclogranisporites aureus, Florinites spp. (A), Leiotriletes ine
Species: Auroraspora solisorta, Bisaccate pollen spp., Cyclogranisporites aureus, C. minutus, Florinites florinii, F. mediapudens, F. pumicosus , F. visendus
Species: Cyclogranisporites aureus, Dictyotriletes muricatus, Florinites florinii (C), F. mediapudens, F. pumicosus (A), F. visendus (A), Granulatisporites gr
Species: Anapiculatisporites cf. vegrandis, Bisaccate pollen spp., Colatisporites decorus, Cyclogranisporites aureus, Florinites florini (A)i, F. mediapudens,
Species: Cingulizonates spp., Colatisporites decorus, Florinites spp., F. visendus, Granulatisporites microgranifer, Knoxisporites triradiatus, Kraeuselipollen
Species: Auroraspora macra, A. solisorta, Crassispora kosankei, C. trychera, Cyclogranisporites aureus, Florinites florinii, F. pumicosus,Granulatisporites g
Remarks: There are two samples in this interval at 1290-1295 and 1375-1380 metres. The preservation continues to deteriorate (see Reference Locality 52
Remarks: Eight samples are included in this interval at depths of 760-765, 785-790, 845-850, 930-935, 990-995, 1045-1050, 1090-1095 and 1210-1215 me
Significant species: Florinites cf. florinii, F. cf. mediapudens, F. pumicosus, F. similis, , , F. visendus, Kraeuselisporites ornatus, Raistrickia saetosa, Schop
Significant species: Ahrensisporites cf. beeleyensis, Auroraspora macra (ER), Colatisporites decorus, Florinites visdendus, F. pumicosus, Knoxisporites sp
Significant Species: Dictyotriletes muricatus, D. reticulocingulum, Endosporites globiformis, Illinites aff. boehneri, I. sp., Punctatosporites sp., Raistrickia ful
Significant species: Auroraspora macra (R), Colatisporites decorus (C), Crassispora trychera (VR), Florinites visendus (VR), Knoxisporites spp. (R), Potonie
Significant species: Auroraspora solisorta, Endosporites globiformis, Florinites spp., Kraeuselisporites ornatus, Leiotriletes inermis, Lycospora pusilla, Poto
Significant species: Florinites florinii, F. spp., Verrucosisporites cf. microtuberosus, Wilsonites delicatus. Remarks: This is a small assemblage of spores an
Species: Auroraspora solisorta, Apiculatisporis variocorneus, Colatisporites decorus, Crassispora kosankei, Cyclogranisporites minutus, Endosporites globi

Species: Auroraspora solisorta, Cyclogranisporites minutus, Florinites mediapudens, F. pumicosus, Granulatisporites granulatus, Radialetes spp., reworkec
Significant species: Anapiculatisporites cf. grandis, Auroraspora solisorta, Barakarites sp., Colatisporites decorus, Florinites florinii, F. pumicosus, F. visenc
Species: Acanthotriletes hacquebardii, Convolutispora sp., Cyclogranisporites mcallisteri, Dictyotriletes submarginatus, Grandispora echinata, Granulatispo
Significant species: Auroraspora solisorta, Calamospora spp. (A), Colatisporites decorus, Densosporites anulatus, Florinites pumicosus, F. visendus, Grar
Significant species: Auroraspora corporiga, Corystisporites spp., Cristatisporites mathewsii, Emphanisporites rotatus, Indotriradites explanatus, Raistrickia v
Significant species: Auroraspora corporiga, Corystisporites spp., Cristatisporites mathewsii, Emphanisporites rotatus, Indotriradites explanatus, Raistrickia v
Significant species: Cristatisporites mathewsii, Knoxisporites literatus, K. cf. hederatus, Spelaeotriletes cabotii (A), S. pretiosus, Spinozonotriletes uncatus, '
Significant species: Ahrensisporites cf. beeleyensis, Apiculatisporis variocorneus, Colatisporites decorus, Crassispora kosankei, Florinites pumicosus (A), F
Significant species: Auroraspora solisorta, Calamospora spp. (C), Florinites florinii, F. visendus, Knoxisporites stephanephorus, Lycospora spp. (C), Potoni
Significant species: Florinites florinii (C), F. mediapudens (R), F. pumicosus (A,), F. visendus (A), Striate bisaccate pollen, Wilsonites delicatus (R). Remark
Species: Anapiculatisporites sp., Auroraspora solisorta, Calamospora breviradiata, Cyclogranisporites aureus, Discernisporites sp., Florinites spp., Kraeuse
Species: Cyclogranisporites commodus, Discernisporites crenulatus, Grandispora echinata, G. uncata, Knoxisporites literatus, Punctatisporites irrasus, P.
Species: Convolutispora vermiformis, Cyclogranisporites commodus, Discernisporites crenulatus, Grandispora uncata, Granulatisporites microgranifer, Gul
Species: Convolutispora vermiformis, Cristatisporites aculeatus, Cyclogranisporites commodus, Dictyotriletes submarginatus, Discernisporites crenulatus,
Species: Archaeozonotriletes gracilis Kedo (non A. gracilis (Kedo) Streel), ?A. multiplicabilis Kedo, Asperispora acuta (Kedo) Van der Zwan, ?Convolutispo
Significant Species: Auroraspora macra, Cristatisporites mathewsii, Grandispora uncata, Spelaeotriletes crenulatus, Vallatisporites cf. vallatus, Verrucosisp
Remarks: This assemblage somewhat resembles the U19-508 sample (Locality Reference No. 9, see above) but spores are much rarer.
Species: Knoxisporites literatus, Spelaeotriletes cf. cabotii, Spinozonotriletes cf. uncatus, Verrucosisporites congestus. Remarks: This assemblage has bee
Significant Species: Cristatisporites mathewsii, Pustulatisporites gibberosus, Spelaeotriletes cabotii, Verrucosisporites congestus, V. nitidus, Vallatisporites
Species: Knoxisporites literatus, Spelaeotriletes cf. cabotii, Spinozonotriletes cf. uncatus, Verrucosisporites congestus. Remarks: This assemblage has be
Significant Species: Converrucosisporites parvinodosus, Dictyotriletes cancellatus, Grandispora uncata, Spelaeotriletes cabotii, S. crenulatus, Verrucosispc
Remarks: Although organic yield was high, very few recognisable spores are present. Sample is dominated by amorphous ?sapropelic debris. The sample
Remarks: Although organic yield was high, very few recognisable spores are present. Sample is similar to U20-509 (Locality Reference No. 21, see below)
Remarks: Although organic yield was high, very few recognisable spores are present. Spores are abundant but pyritization is so severe that the spores can
Significant Species: Corystisporites sp., Cristatisporites mathewsii, Grandispora uncata, Pustulatisporites gibberosus, Retispora lepidophyta, Retusotriletes
Species: Auroraspora macra, Granulatisporites frustulentus, Retusotriletes incohatus, Spelaeotriletes cabotii, S. cf. echinatus, S. spp.,, Verrucosisporites cf
Species: Cristatisporites mathewsii, Retusotriletes incohatus, Spelaeotriletes cabotii. Remarks: The yield from this sample was extremely low, consisting pr
Species: Auroraspora macra, Calamospora spp. (A), Cristatisporites mathewsii, Convolutispora cf. vermiformis, Punctatisporites spp. (A), Pustulatisporites
Species: Auroraspora macra, Calamospora spp. (VA), Discernisporites micromanifestus, Leiozonotriletes insignitus, Perotrilites sp., Retusotriletes incohatu
Species: Retusotriletes avonensis, R. incohatus, Verrucosisporites congestus, V. nitidus. Remarks: Very few spores are identifiable in these "sapropelised"
Remarks: Same as sample U23-607 (see Locality Reference No.47 above).
Species: Auroraspora macra, Granulatisporites frustulentus, Retusotriletes incohatus (A), Spelaeotriletes cabotii, Spinozonotriletes uncatus, Verrucosisporit
Species: Discernisporites micromanifestus, Leiozonotriletes insignitus, Retusotriletes incohatus, Spelaeotriletes cabotii (A). Remarks: Spores are relatively
Significant Species: Converrucosisporites parvinodosus, Grandispora uncata, Knoxisporites literatus, Radiizonates mirabilis, Spelaeotriletes crenulatus, S.
Species: Cristatisporites mathewsii, Granulatisporites frustulentus, Punctatisporites spp. (A), Pustulatisporites gibberosus, Retusotriletes avonensis, R. incc
Significant Species: Spelaeotriletes cabotii, S. cf. crenulatus, S. echinatus, S. cf. pretiosus, Verrucosisporites congestus, V. nitidus, V. cf. papulosus. Rema
Remarks: Spores are moderately numerous but they have been severely thermally altered and with the heavy pyritization, none is identifiable. The residue

Species: Auroraspora macra, Collatisporites decorus, Cristatisporites mathewsii, Dictyotriletes cancellatus, Granulatisporites frustulentus, Retusotriletes inc
Species: Ancyrospora spp., Aneurospora greggsii (McGregor) Streel, Corystisporites sp., * cf. Cristatisporites insuitatus (Allen) McGregor & Camfield, * C.
Species: cf. Ancyrospora sp., Calamospora spp. (A), Corystisporites costatus, Perotrilites perinatus (A), Punctatisporites spp. (A), Retusotriletes incohatus
Species: Auroraspora macra, Cristatisporites mathewsii, Dictyotriletes cancellatus, D. trivialis, Grandispora uncata (F), Knoxisporites literatus, Retusotrilete

Age	Zone	Source Report
Westphalian D - ? Stephanian		Dolby, 1995c
Middle to late Langsettian		Dolby, 1999b
Namurian		Dolby, 1995c
Namurian		Dolby, 1995c
Probably late Namurian		Dolby, 1995c
Middle to ?late Langsettian		Dolby, 1999b
Middle Langsettian - ?early Duckmant		Dolby, 1999b
Middle Langsettian - ?early Duckmant		Dolby, 1999b
Middle Langsettian - ?early Duckmant		Dolby, 1999b
Westphalian D		Dolby, 1995c
Westphalian D		Dolby, 1995c
Middle to ?late Langsettian		Dolby, 1999b
Middle to ?late Langsettian		Dolby, 1999b
Not older than middle Langsettian		Dolby, 1999b
Probably Namurian C		Dolby, 1995c
Langsettian		Dolby, 1995c
Probably Namurian C		Dolby, 1995c
Probably middle Langsettian - ?early I		Dolby, 1999b
Middle Langsettian - ?early Duckmant		Dolby, 1999b
Late Yeadonian - early Langsettian		Dolby, 1999b
Tournaisian	Upper 3A-3B	Dolby, 1996a
Stephanian C		Dolby, 1996a
Probably Westphalian D		Dolby, 1996a
Probably Cantabrian		Dolby, 1996a
Probably Westphalian D		Dolby, 1996a
? Not older than early middle Westph		Dolby, 1996a
Late Yeadonian - early Langsettian		Dolby, 1999b
Late Namurian - early Westphalian A		Dolby, 1996a
? Langsettian		Dolby, 1999b
Early Westphalian A		Dolby, 1996a
Early Westphalian A		Dolby, 1996a
Late Namurian - early Westphalian A		Dolby, 1996a
Late Namurian - early Westphalian A		Dolby, 1996a
Late Namurian - early Westphalian A		Dolby, 1996a
Late Namurian - early Westphalian A		Dolby, 1996a
Namurian		Dolby, 1996a

Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Early Namurian	Dolby, 1996a
Early Namurian	Dolby, 1996a
Early Namurian	Dolby, 1996a
? Early Namurian	Dolby, 2000a
Not older than early middle Langsettia	Dolby, 1999b
Not older than early middle Langsettia	Dolby, 1999b
Namurian	Dolby, 1996a
Not older than early middle Langsettia	Dolby, 1999b
Not older than early middle Langsettia	Dolby, 1999b
Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Early Namurian	Dolby, 1996a
Namurian	Dolby, 1996a
Probably Namurian	Dolby, 1996a
Late Namurian - early Westphalian A	Dolby, 1996a
Late Namurian - early Westphalian A	Dolby, 1996a
? Namurian	Dolby, 1997b
Not older than early middle Langsettia	Dolby, 1999b
Not older than early middle Langsettia	Dolby, 1999b
Not older than early middle Langsettia	Dolby, 1999b
Early Westphalian C	Dolby, 1996a
Westphalian C, probably early to midc	Dolby, 1996a
Early Namurian	Dolby, 1997b
Early Namurian	Dolby, 1997b

Early Namurian	Dolby, 1997b
Early Namurian	Dolby, 1997b
Namurian	Dolby, 1997b
Probably late Namurian - Westphaliar	Dolby, 1997b
Not older than Kinderscoutian	Dolby, 1999b
Middle Langsettian - early Duckmantia	Dolby, 1999b
Middle Langsettian - early Duckmantia	Dolby, 1999b
Middle Langsettian - early Duckmantia	Dolby, 1999b
Middle Langsettian - early Duckmantia	Dolby, 1999b
Middle Langsettian - early Duckmantia	Dolby, 1999b
Middle Langsettian - early Duckmantia	Dolby, 1999b
See under assemblage/remarks	Dolby, 1999b
See under assemblage/remarks	Dolby, 1999b
Probably Bolsovian	Dolby, 1999b
Probably Bolsovian	Dolby, 1999b
Not older than Kinderscoutian	Dolby, 1999b
Middle Langsettian - ?early Duckmant	Dolby, 1999b
Probably Langsettian	Dolby, 1999b
Middle Langsettian - ?early Duckmant	Dolby, 1999b
Middle Langsettian - ?early Duckmant	Dolby, 1999b
Middle Langsettian - ?early Duckmant	Dolby, 1999b
Middle Langsettian - ?early Duckmant	Dolby, 1999b
Probably middle Langsettian - ?early I	Dolby, 1999b
Tournaisian Late Tn2- Early Tn3	Utting, 1987b
Tournaisian Late Tn2- Early Tn3	Utting, 1987b
Tournaisian Late Tn2- Early Tn3	Utting, 1987b
Tournaisian Late Tn2- Early Tn3	Utting, 1987b
Tournaisian Late Tn2- Early Tn3	Utting, 1987b
Tournaisian Late Tn2- Early Tn3	Utting, 1987b
Middle Langsettian - ?early Duckmant	Dolby, 1999b
Probably middle Langsettian	Dolby, 1999b
Tournaisian 1C-2A (low)	Dolby, 2000b
Indeterminable	Dolby, 2000b
Indeterminable	Dolby, 2000b
Tournaisian 1C-2A (low)	Dolby, 2000b
Tournaisian 1A-?1B	Dolby, 2000b
Namurian	Dolby, 2000b

Early Tournaisian - ?Strunian	Dolby, 2000b
Early Tourn 1A-?1B	Dolby, 2000b
Tournaisian Zone 2 (undiff.)	Dolby, 2000b
Tournaisian Zone 2 (undiff.)	Dolby, 2000b
Tournaisian 2A	Dolby, 2000b
Tournaisian 2A	Dolby, 2000b
Late Namurian - ?early Westphalian	Dolby, 2000b
Tournaisian Probably basal Zone 2	Dolby, 2000b
Tournaisian Zone 2 (undiff.)	Dolby, 2000b
Tournaisian Zone 2 (undiff.)	Dolby, 2000b
Tournaisian Zone 2 (undiff.)	Dolby, 2000b
Tournaisian 2A	Dolby, 2000b
Tournaisian 2A	Dolby, 2000b
Tournaisian 2A	Dolby, 2000b
Tournaisian 2A	Dolby, 2000b
Tournaisian 2A	Dolby, 2000b
Early Tourn 1B	Dolby, 2000b
Tournaisian	Dolby, 1993
Tournaisian 1A	Dolby, 1993
Tournaisian 1A	Dolby, 1993
Tournaisian 1A-1B	Dolby, 1993
Tournaisian 1A-1B	Dolby, 1993
? Tournaisian	Dolby, 1995b
Tournaisian 4-5	Dolby, 1995b
Tournaisian 4-5	Dolby, 1995b
Tournaisian ?5	Dolby, 1995b
Tournaisian 4-5	Dolby, 1995b
Tournaisian N.O.T. Upper 3A	Dolby, 1995b
Tournaisian 4-5	Dolby, 1995b
Tournaisian 4-5	Dolby, 1995b
Not older than middle Westphalian C	Dolby, 1999b
Tournaisian ?5	Dolby, 1995b
Tournaisian N.O.T. Upper 3A	Dolby, 1995b
Tournaisian ?1D-2	Dolby, 1995b
Tournaisian 4-5	Dolby, 1995b
Tournaisian N.O.T. Upper 3A	Dolby, 1995b
Tournaisian N.O.T. Upper 3A	Dolby, 1995b

Tournaisian ?1	Dolby, 1995a
Visean NS, Utting (1987a)	Dolby, 1996b
Visean NS, Utting (1987a)	Dolby, 1996b
Namurian	Dolby, 1996b
Visean NS, Utting (1987a)	Dolby, 1996b
Namurian	Dolby, 1996b
Namurian	Dolby, 1996b
Probably early Namurian	Dolby, 1996b
Probably early Namurian	Dolby, 1996b
Visean AT ?, Utting (1987a)	Dolby, 1996b
Namurian	Dolby, 1996b
Probably early Namurian	Dolby, 1996b
Namurian	Dolby, 1996b
Visean AT, Utting (1987a)	Dolby, 1996b
Probably early Namurian	Dolby, 1996b
Early Namurian	Dolby, 1996b
Early Namurian	Dolby, 1996b
Namurian	Dolby, 1996b
Namurian	Dolby, 1996b
Early Namurian	Dolby, 1997a
Possibly latest Visean	Dolby, 1997a
Namurian	Dolby, 1997a
Namurian	Dolby, 1997a
? Visean	Dolby, 1997a
Namurian	Dolby, 1997a
Early Namurian	Dolby, 1997a
Early Westphalian A	Dolby, 1995c
Early Bolsovian	Dolby, 1999b
Early Bolsovian	Dolby, 1999b
Langsettian - ?early Duckmantian	Dolby, 1999b
Visean NS, Utting (1987a)	Utting, 1987a
Probably latest Devonian	Carr, 1968
Tournaisian	Carr, 1968
Westphalian D	Dolby, 1995c
Probably late Westphalian D	Dolby, 1995c
Westphalian A	Dolby, 1995c
? Westphalian D	Dolby, 1995c

Westphalian D	Dolby, 1995c
? Late Namurian - early Westphalian .	Dolby, 1994
Probably late Namurian	Dolby, 1995c
Stephanian	Dolby, 1995c
Namurian - early Westphalian	Dolby, 1995c
Famennian	McGregor, 1983b
Early Westphalian A	Dolby, 1995c
Namurian (late Kinderscoutian - ?earl	Dolby, 1999b
Probably not older than Kinderscoutia	Dolby, 1999b
Early Bolsovian	Dolby, 1999b
? Langsettian	Dolby, 1999b
Namurian	Dolby, 1999b
? Bolsovian	Dolby, 1999b
Middle Tou 1C	Dolby, 1994
Late Tourn D. distinctus, Utting et al. (	Dolby, 1994
Tournaisia Indeterminate	Dolby, 1994
Late Tourn 3, S. cabotii,	Dolby, 1994
Late Tourn 2 D. distinctus,	Dolby, 1994
Late to ?lat 1D-?1C, Dolby (1991, 199	Dolby, 1994
Late Duckmantian - early Bolsovian	Dolby, 1999b
Late Duckmantian - early Bolsovian	Dolby, 1999b
Late Duckmantian - early Bolsovian	Dolby, 1999b
Yeadonian - Langsettian	Utting, 1999
Middle Langsettian - ?early Duckman	Dolby, 1999b
Middle Langsettian - ?early Duckman	Dolby, 1999b
Middle Langsettian - ?early Duckman	Dolby, 1999b
Namurian - Westphalian (Kinderscou	Dolby, 1999b
Namurian - Westphalian (Kinderscou	Dolby, 1999b
Early to mi 1A, Dolby (1991; 1993)	Dolby, 1994
Middle Tou E. rotatus - I. explanatus, I	Dolby, 1994
Undiff. Namurian - early Westphalian	Dolby, 1999b
Namurian (probably Kinderscoutian -	Dolby, 1999b
Late Duckmantian	Dolby, 1995c
Probably Namurian, probably not olde	Dolby, 1999b
Late Langsettian - ?early Duckmantia	Utting, 1999
Middle Langsettian or younger	Dolby, 1999b
Late Duckmantian -? early Bolsovian	Dolby, 1999b

Probably Namurian - early Westphalia	Dolby, 1999b
Middle to late Langsettian	Dolby, 1999b
Tournaisian Not given	Varma, 1969
Probably Namurian	Dolby, 1999b
Early Tourn 1A-?1B	Dolby, 2000b
Early Tourn 1A-?1B	Dolby, 2000b
Tournaisian No older than 3A	Dolby, 1999a
Not younger than early Langsettian	Dolby, 1999b
Westphalian	Dolby, 1999b
Not older than middle Langsettian	Dolby, 1999b
Not older than middle Namurian	Utting, 1999
Tournaisian Late Tn2- Early Tn3	Utting, 1987b
Tournaisian Late Tn2- Early Tn3	Utting, 1987b
Tournaisian Late Tn2- Early Tn3	Utting, 1987b
Tournaisian Tn1b or Tn2 (Early to mid	McGregor, 1983a
Tournaisian ?1C-1D	Dolby, 1995a
Tournaisian ?1	Dolby, 1995a
Tournaisian ?2	Dolby, 1991
Tournaisian 1 or 1-2 transition	Dolby, 1995a
Tournaisian ?2	Dolby, 1991
Tournaisian possibly 2A	Dolby, 1995a
Tournaisian presumably 2-3	Dolby, 1995a
Tournaisian presumably 2-3	Dolby, 1995a
Tournaisian presumably 2-3	Dolby, 1995a
Tournaisian ?1C-1D	Dolby, 1995a
Tournaisian ?1D	Dolby, 1991
Tournaisian ?1D	Dolby, 1991
Tournaisian ?1D	Dolby, 1991
Tournaisian ?1D	Dolby, 1991
Tournaisian 1-2	Dolby, 1991
Tournaisian 1-2	Dolby, 1991
Tournaisian Possibly 1D	Dolby, 1991
Tournaisian ?2	Dolby, 1991
Tournaisian 1D	Dolby, 1995a
Tournaisian 1A	Dolby, 1991
Tournaisian possibly 2A	Dolby, 1995a
Tournaisian presumably 2-3	Dolby, 1995a

Tournaisian 1D	Dolby, 1991
Famennian	McGregor, 1983a
Tournaisian 1A	Dolby, 1991
Tournaisian Probably basal Zone 2	Dolby, 2000b

LocRefNo	SampleNo	NTS	Lat(N)	Long(W)	Formation
110	95SJ-439A1	21 H/10	45° 44' 04.2"	64° 32' 46.2"	Shepody
176	95SJ-431D4	21 H/10	45° 43' 20.8"	64° 32' 05.2"	Boss Point / Ward Point Member
175	95SJ-431F1	21 H/10	45° 43' 19.1"	64° 32' 11.2"	Boss Point / Ward Point Member
174	95SJ-433A1	21 H/10	45° 43' 17.8"	64° 32' 12.8"	Boss Point / Ward Point Member
173	95SJ-436B3	21 H/10	45° 43' 30.6"	64° 33' 02.8"	Boss Point / Ward Point Member
80	CS94-011	21 I/02	46° 09' 37.4"	64° 52' 53.7"	Weldon
169	95SJ-436D3	21 H/10	45° 43' 49.5"	64° 33' 01.8"	Boss Point / Ward Point Member
170	95SJ-436E1	21 H/10	45° 43' 44.3"	64° 33' 09.3"	Boss Point / Ward Point Member
262	507-081-1B	21 I/01	46° 11' 47.5"	64° 09' 42.8"	Richibucto
93	CS92-5	21 H/15	45° 56' 17.1"	64° 31' 32.2"	Lime-kiln Brook
117	CS96-001	21 H/10	45° 36' 04.6"	64° 47' 22.1"	Shepody
172	95SJ-437C3	21 H/10	45° 43' 36.3"	64° 33' 07.4"	Boss Point / Ward Point Member
250	CS94-106d	21 I/02	46° 06' 44"	64° 56' 05"	Richibucto
111	95SJ-439B3	21 H/10	45° 44' 02.3"	64° 32' 50.9"	Shepody
109	95SJ-439B6	21 H/10	45° 44' 05.3"	64° 32' 43.8"	Shepody
108	95SJ-439F2	21 H/10	45° 44' 08.1"	64° 32' 26.0"	Shepody
230	95SJ-440A1	21 H/16	45° 48' 24.5"	64° 29' 19.5"	Grande Anse
229	95SJ-443A7	21 H/16	45° 48' 05.1"	64° 29' 39.3"	Grande Anse
161	95SJ-445C5	21 H/15	45° 46' 17.2"	64° 31' 10.3"	Boss Point / Ward Point Member
228	95SJ-446G1	21 H/15	45° 47' 34.7"	64° 30' 14.6"	Grande Anse
226	CS00-022	21 H/15	45° 46' 18"	64° 30' 55"	Grande Anse
227	95SJ-447A3	21 H/15	45° 47' 19.4"	64° 30' 17.6"	Grande Anse
171	95SJ-437B1	21 H/10	45° 43' 39.2"	64° 33' 10.6"	Boss Point / Ward Point Member
154	CS95-295	21 H/10	45° 44' 50.6"	64° 44' 49.3"	Boss Point / Breau Creek Member
156	CS95-572	21 H/10	45° 34' 41"	64° 58' 01"	Boss Point / Breau Creek Member
123	CS95-568	21 H/10	45° 34' 35"	64° 58' 06"	Boss Point / Chignecto Bay Member
119	CS95-552	21 H/10	45° 35' 52"	64° 46' 12"	Shepody
206	95SJ-478I2	21 H/15	45° 51' 56.7"	64° 32' 39.5"	Boss Point / Cole Point Member
252	95SJ-255A2	21 I/02	46° 07' 21.3"	64° 48' 49.6"	Richibucto
168	CS95-481, -482	21 H/10	45° 35' 47.5"	64° 46' 53.1"	Boss Point / Ward Point Member
116	CS95-475	21 H/10	45° 36' 38.1"	64° 46' 41.5"	Shepody
167	CS95-461	21 H/10	45° 37' 49.4"	64° 48' 00.9"	Boss Point / Ward Point Member
182	95SJ-259A2	21 I/02	46° 05' 27.0"	64° 35' 32.7"	Boss Point / Cole Point Member
177	95SJ-431B4	21 H/10	45° 43' 22.1"	64° 31' 57.2"	Boss Point / Ward Point Member
100	CS95-332	21 H/10	45° 40' 21.9"	64° 47' 02.8"	Maringouin
124	95SJ-381D3	21 I/02	46° 00' 29.3"	64° 42' 22.4"	Boss Point / Breau Creek Member
165	CS95-262	21 H/10	45° 42' 56.1"	64° 41' 16.8"	Boss Point / Ward Point Member
131	95SJ-294A4	21 I/02	46° 02' 08.8"	64° 36' 33.4"	Boss Point / Breau Creek Member
144	CS95-168	21 H/15	45° 48' 50.6"	64° 37' 07.4"	Boss Point / Breau Creek Member
183	95SJ-325B2	21 I/02	46° 05' 38.2"	64° 32' 50.1"	Boss Point / Cole Point Member
128	95SJ-334A3	21 I/02	46° 01' 25.8"	64° 40' 44.7"	Boss Point / Breau Creek Member
129	95SJ-350A3	21 I/02	46° 00' 36.4"	64° 37' 45.3"	Boss Point / Breau Creek Member
130	95SJ-354A3	21 I/02	46° 02' 02.9"	64° 36' 46.1"	Boss Point / Breau Creek Member
132	95SJ-358A4	21 I/02	46° 02' 29.0"	64° 31' 22.8"	Boss Point / Breau Creek Member
125	95SJ-381B1	21 I/02	46° 00' 26.5"	64° 42' 21.7"	Boss Point / Breau Creek Member
158	95SJ-449D4	21 H/15	45° 46' 26.0"	64° 30' 46.2"	Boss Point / Ward Point Member
114	CS95-335, -335a	21 H/10	45° 40' 18.1"	64° 47' 01.8"	Shepody
103	96SJ-521P	21 H/16	45° 46' 43.2"	64° 26' 55.3"	Shepody
157	95SJ-449C4	21 H/15	45° 46' 26.0"	64° 30' 46.2"	Boss Point / Ward Point Member
243	99SJ-609	21 H/15	45° 54' 34"	64° 58' 43"	Salisbury
242	99SJ-608b	21 H/15	45° 54' 28"	64° 58' 50"	Salisbury
205	99SJ-607	21 H/15	45° 54' 24"	64° 58' 30"	Boss Point / Cole Point Member

Assemblage/Remarks
Remarks: See Locality Reference No. 109 above.
Significant Species: Auroraspora solisorta, Florinites pumicosus (A), F. visendus (A), Granulatisporites granulatus, Knoxisporites ste
Significant Species: Apiculatisporites spinulistratus, Auroraspora solisorta, Cingulizonates spp., Florinites cf. florinii, F. pumicosus,
Significant Species: (?)Apiculatisporites spinulistratus, Granulatisporites granulatus, Lycospora noctuina, (?)L. orbicula, L. pelluci la
Significant Species: Apiculatisporis cf. variocorneus, A. cf. vegrandis, Auroraspora macra (R.W.), A. solisorta, Colatisporites decoru
Remarks: Most of the assemblage consists of contaminants. Rare Retusotriletes incohatus and Crassispora trychera are present bu
Significant Species: Anapiculatisporites cf. vegrandis, Auroraspora macra (R.W.), A. solisorta, Colatisporites decorus, Densosporite
Significant Species: Anapiculatisporites cf. vegrandis, Auroraspora macra (R.W.), A. solisorta, Colatisporites decorus, Florinites vise
Significant species: Illinites annosus, I. unicus, I. boehneri, Protohaploxypinus spp. (F), Punctatosporites granifer (F), P. minutus (A
Species: Retusotriletes cf. avonensis., R. spp., Rugospora polyptycha, Remarks: Amorphous kerogen is abundant but spores are v
Significant Species: Auroraspora macra, A. solisorta, Crassispora trychera, Raistrickia cf. magdalena, Retusotriletes incohatus, Ru
Significant Species: Anapiculatisporites "minutus", A. cf. vegrandis, Auroraspora solisorta, Caheniasaccites crenatus, Colatisporites
Significant species: Punctatospotites granifer, Triquitrites cf. sculptilis, Triquitrites cf.tribullatus, Vestispora cf. fenestrata. Remarks
Remarks: See Locality Reference No. 109 above.
Significant Species: Auroraspora macra (A), Crassispora trychera (A), Florinites visendus, Potonieisporites sp., Raistrickia magdale
Significant species: Auroraspora macra, Crassispora trychera (EA), Knoxisporites stephanephorus, Retusotriletes incohatus, Rugos
Species: Anapiculatisporites cf. vegrandis, Auroraspora solisorta (D), ? Bisaccate pollen spp., Caheniasaccites crenatus, Cannano
Species: Anapiculatisporites cf. vegrandis (D), Auroraspora solisorta (A), ? Bisaccate pollen spp, Caheniasaccites crenatus, Cannar
Significant Species: Auroraspora solisorta, Calamospora breviradiatus, C. parva, C. spp., Colatisporites decorus, Crassispora kosar
Species: Anapiculatisporites cf. vegrandis (D), (?)A. variocorneus, Auroraspora solisorta (D), Cannanoropollis janakii, C. mehtae, Co
Significant species: Auroraspora solisorta (C), Florinites cf. mediapudens, F. pumicosus, F. visendus, Knoxisporites triradiatus, Rais
Species: Anapiculatisporites cf. vegrandis (D), Auroraspora solisorta (D), Caheniasaccites crenatus, Cannanoropollis janakii, Colatis
Significant Species: Auroraspora solisorta (A), Caheniasaccites crenatus, Florinites pumicosus (A), F. visendus (A), Granulatispori
Remarks: This sample and CS95-262 (see Locality Reference No. 165) closely resemble CS95-168 (see Locality Reference No. 14
Significant species: Florinites pumicosus, F. visendus, Lycospora pellucida, Potonieisporites spp., Rugospora gracilirugosa, R. minu
Significant Species: Colatisporites decorus, Crassispora trychera (R), Florinites visendus (VA), Potonieisporites spp. (R). Remarks:
Significant Species: Auroraspora macra, A. solisorta, Crassispora trychera (A), Knoxisporites stephanephorus, Raistrickia magdale
Significant species: Anapiculatisporites cf. vegrandis, Crassispora kosankei, Florinites visendus, Lycospora aff. orbicula, L. pellucid
Remarks: The residue consists mainly of inertinitic debris and palynomorphs are rare. There is some obvious reworking present. If
Remarks: Neither sample is rich but the species lists are typical of the Boss Point Formation. Monosaccate pollen are numerous as
Significant Species: Auroraspora macra, Crassispora trychera (A), Reusotriletes incohatus, Rugospora minuta, Schopfites claviger,
Significant species: Caheniasaccites crenatus, Cannanoropollis spp., Florinites pumicosus (C-A), F. visendus (A), Potonieisporites s
Significant species: Cristatisporites sp., Florinites cf. mediapudens, F. visendus, Knoxisporites stephanephorus, K. triradiatus, Poto
Significant Species: Caheniasaccites crenatus, Colatisporites decorus, Cristatisporites spp., Densosporites spp., Discernisporites m
Significant Species: Auroraspora macra, Crassispora trychera, Rugospora minuta, R. polyptycha, Schopfites claviger, Schopfipolle
Significant species: Cordylosporites danzei (C), Grumosisporites spp. (A), G. aff. rufus, G. varioreticulatus,, G. cf. verrucosus, Lyco
Remarks: See Locality Reference No. 154. [Note: This assemblage was not restudied by Dolby during his1999 reassessment of the
Significant species: Florinites visendus (C-A), Spelaeotriletes arenaceus. Remarks: This is a typical Boss Point assemblage. The pr
Significant species: Anapiculatisporites cf. vegrandis, Auroraspora solisorta (A), Caheniasaccites crenatus, Florinites pumicosus, F
Significant species: Florinites visendus, Lycospora orbicula (C-A), L. pellucida, Potonieisporites spp.. Remarks: This sample was an
Significant Species: Florinites pumicosus, F. visendus, Lycospora orbicula (VA), Potonieisporites spp., Savitrisporites nux. Remark
Significant Species: Florinites visendus, Kraeuselisporites spp. (C). Lycospora orbicula (R), Potonieisporites spp.. Remarks: Rare sp
Significant species: Anapiculatisporites cf. vegrandis, Crassispora kosankei, Florinites visendus (C-A), Grandispora spinosa, Ibrahii
Significant Species: Anapiculatisporites cf. vegrandis, Crassispora kosankei, Florinites visendus (C-A), Grandispora spinosa, Ibrahir
Remarks: This is a rich sample with a composition similar to the in situ assemblage in SJ95-354A3 (see Locality Reference No. 130
Remarks: See Locality Reference No. 157 above. [Note: This assemblage was not restudied by Dolby during his1999 reassessmen
Remarks: See Locality Reference No. 100 above.
Significant Species: Auroraspora macra (C), Colatisporites decorus (C), Crassispora trychera (A), Retusotriletes incohatus (A), Sch
Remarks: The four samples (95SJ-449C4, -449D4, -449D11, -449E7; see Locality Reference Nos. 157-160) all contain assemblage
Species: Auroraspora solisorta, Caheniasaccites crenatus, Florinites florinii (A), F. mediapudens, F. pumicosus (A), F. visendus (A),
Species: Auroraspora solisorta, Bisaccate pollen spp., Caheniasaccites crenatus, Colatisporites decorus, Cyclogranisporites aureus
Species: Florinites florinii, reworked Devonian spores. Remarks: See Locality Reference No. 200.

Age	Zone	Source Report
Early Namurian		Dolby, 1996a
Namurian		Dolby, 1996a
Namurian		Dolby, 1996a
Namurian		Dolby, 1996a
Namurian		Dolby, 1996a
? Tournaisian		Dolby, 1995b
Namurian		Dolby, 1996a
Namurian		Dolby, 1996a
Westphalian D - ? Stephania		Dolby, 1995c
Tournaisian		Dolby, 1993
Early Namurian		Dolby, 1997a
Namurian		Dolby, 1996a
Not older than middle Westp		Dolby, 1999b
Early Namurian		Dolby, 1996a
Early Namurian		Dolby, 1996a
? Early Namurian		Dolby, 2000a
Not older than early middle L		Dolby, 1999b
Not older than early middle L		Dolby, 1999b
Namurian		Dolby, 1996a
Not older than early middle L		Dolby, 1999b
Late Namurian - ?early West		Dolby, 2000b
Not older than early middle L		Dolby, 1999b
Namurian		Dolby, 1996a
Namurian		Dolby, 1996b
Namurian		Dolby, 1996b
Namurian		Dolby, 1996b
Early Namurian		Dolby, 1996b
Late Namurian - early Westp		Dolby, 1996a
? Not older than early middle		Dolby, 1996a
Namurian		Dolby, 1996b
Probably early Namurian		Dolby, 1996b
Namurian		Dolby, 1996b
Late Yeadonian - early Lang		Dolby, 1999b
Namurian		Dolby, 1996a
Probably early Namurian		Dolby, 1996b
Late Namurian - early Westp		Dolby, 1996a
Namurian		Dolby, 1996b
Late Namurian - early Westp		Dolby, 1996a
Namurian		Dolby, 1996b
? Langsettian		Dolby, 1999b
Early Westphalian A		Dolby, 1996a
Early Westphalian A		Dolby, 1996a
Late Namurian - early Westp		Dolby, 1996a
Late Namurian - early Westp		Dolby, 1996a
Late Namurian - early West		Dolby, 1996a
Namurian		Dolby, 1996a
Probably early Namurian		Dolby, 1996b
Namurian		Dolby, 1997b
Namurian		Dolby, 1996a
See under assemblage/rema		Dolby, 1999b
See under assemblage/rema		Dolby, 1999b
Middle Langsettian - early D		Dolby, 1999b

LocRefNo	SampleNo	NTS	Lat(N)	Long(W)	Formation
204	99SJ-604	21 H/15	45° 54' 00"	64° 58' 35"	Boss Point / Cole Point Member
203	99SJ-603a	21 H/15	45° 53' 36"	64° 58' 11"	Boss Point / Cole Point Member
202	99SJ-500	21 H/15	45° 52' 57"	64° 58' 47"	Boss Point / Cole Point Member
201	99SJ-498b	21 H/15	45° 52' 51"	64° 59' 02"	Boss Point / Cole Point Member
200	99SJ-495	21 H/15	45° 52' 27"	64° 58' 58"	Boss Point / Cole Point Member
245	99SJ-618d	21 H/15	45° 55' 26"	64° 58' 54"	Salisbury
121	96SJ-521U	21 H/16	45° 46' 54.2"	64° 26' 47.4"	Boss Point / Chignecto Bay Member
137	99SJ-686	21 H/15	45° 51' 47"	64° 58' 50"	Boss Point / Breau Creek Member
105	96SJ-513D3	21 H/16	45° 44' 25.5"	64° 28' 53.6"	Shepody
104	96SJ-513A	21 H/16	45° 44' 37.3"	64° 28' 56.1"	Shepody
107	96SJ-510G5	21 H/16	45° 44' 17.6"	64° 29' 06.1"	Shepody
106	96SJ-510G3	21 H/16	45° 44' 20.3"	64° 28' 59.3"	Shepody
247	95SJ-634A3	21 H/15	45° 58' 17.6"	64° 57' 04.6"	Salisbury
246	95SJ-631A1	21 H/15	45° 57' 39.1"	64° 56' 41.2"	Salisbury
233	95SJ-525G1	21 H/16	45° 48' 21.3"	64° 24' 56.5"	Grande Anse
232	95SJ-523K2	21 H/16	45° 47' 24.7"	64° 25' 27.8"	Grande Anse
231	95SJ-523D2	21 H/16	45° 47' 11.3"	64° 26' 02.8"	Grande Anse
120	95SJ-521R	21 H/16	45° 46' 43.8"	64° 26' 58.9"	Enrage
138	99SJ-493	21 H/15	45° 52' 04"	64° 59' 00"	Boss Point / Breau Creek Member
102	95SJ-458B1	21 H/15	45° 45' 40.6"	64° 31' 18.0"	Shepody
118	CS95-554	21 H/10	45° 36' 45"	64° 46' 19"	Shepody
74	Columbia/Corridor TCH, 14	21 H/16	45° 59' 15"	64° 29' 07"	Albert
178	Columbia/Corridor TCH, 7	21 H/16	45° 59' 15"	64° 29' 07"	Boss Point / Ward Point Member
160	95SJ-449E7	21 H/15	45° 46' 26.0"	64° 30' 46.2"	Boss Point / Ward Point Member
92	Columbia Beaumont, 892.5	21 H/15	45° 53' 30"	64° 34' 13"	Hillsborough
91	Columbia Beaumont, 828.5	21 H/15	45° 53' 30"	64° 34' 13"	Hillsborough
162	95SJ-455D4	21 H/15	45° 46' 10.4"	64° 31' 06.3"	Boss Point / Ward Point Member
189	Chilean Gold ddh 97-1, 37	21 I/01	46° 00' 23"	64° 20' 47"	Boss Point / Cole Point Member
188	Chilean Gold ddh 97-1, 28	21 I/01	46° 00' 23"	64° 20' 47"	Boss Point / Cole Point Member
244	99SJ-614	21 H/15	45° 54' 57"	64° 58' 41"	Salisbury
164	95SJ-456A8	21 H/15	45° 45' 56.0"	64° 31' 19.2"	Boss Point / Ward Point Member
159	95SJ-449D11	21 H/15	45° 46' 26.0"	64° 30' 46.2"	Boss Point / Ward Point Member
147	95SJ-475C7	21 H/15	45° 50' 54.9"	64° 32' 08.5"	Boss Point / Breau Creek Member
148	95SJ-475D1	21 H/15	45° 50' 54.7"	64° 32' 08.8"	Boss Point / Breau Creek Member
207	95SJ-478D4	21 H/15	45° 51' 37.6"	64° 32' 34.7"	Boss Point / Cole Point Member
216	99SJ-WRQ1	21 H/16	45° 56' 10"	64° 25' 10"	Boss Point / Cole Point Member
218	99SJ-WR2	21 H/16	45° 56' 32"	64° 25' 20	Boss Point / Cole Point Member
217	99SJ-WR1	21 H/16	45° 56' 19"	64° 24' 23	Boss Point / Cole Point Member
223	99SJ-MV2	21 H/16	45° 58' 03"	64° 24' 30"	Boss Point / Cole Point Member
222	99SJ-MV1	21 H/16	45° 57' 28"	64° 23' 49"	Boss Point / Cole Point Member
186	99SJ-MB-1	21 I/01	46° 01' 32"	64° 21' 12"	Boss Point / Cole Point Member
208	99SJ-DC440	21 H/15	45° 51' 38"	64° 32' 36"	Boss Point / Cole Point Member
163	95SJ-455F1	21 H/15	45° 46' 05.6"	64° 31' 12.8"	Boss Point / Ward Point Member
152	536-085-1A1	21 H/16	45° 54' 33.2"	64° 14' 59.8"	Boss Point / Breau Creek Member
239	Irving/Chevron Middlesex,	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Salisbury
212	NB 252, 310-30'	21 H/16	45° 55' 16"	64° 26' 22"	Boss Point / Cole Point Member
248	NB 252, 210-240'	21 H/16	46° 55' 16"	64° 26' 22"	Salisbury
185	NB 215, 340-350	21 I/02	46° 07' 14"	64° 32' 42"	Boss Point / Cole Point Member
184	NB 215, 160-180	21 I/02	46° 07' 14"	64° 32' 42"	Boss Point / Cole Point Member
133	NB 214, 390-400'	21 I/01	46° 05' 15"	64° 25' 40"	Boss Point / Breau Creek Member
234	Moncton Hump Yard Well,	21 I/02	46° 04' 24.6"	64° 52' 35.0"	Salisbury
140	MOL (Maritime Oilfields Ltd	21 H/15	45° 57' 07"	64° 48' 32"	Boss Point / Breau Creek Member

Assemblage/Remarks
Species: Auroraspora solisorta, Colatisporites decorus, Cyclogranisporites aureus, Florinites florinii (D), F. pumicosus (A), F. visend
Species: Auroraspora solisorta, Colatisporites decorus, (?)Cyclogranisporites aureus, C. minutus, Florinites florinii (A), F. pumicosus
Species: Calamospora spp., Cyclogranisporites aureus, C. minutus, Florinites florinii, F. mediapudens, (?)F. mediapudens, F. visen
Species: Auroraspora solisorta, Bisaccate pollen spp., (?)Cananoropollis mehtae, Colatisporites decorus, Cyclogranisporites minutu
Species: Anapiculatisporites cf. vegrandis, Auroraspora solisorta (A), (?) Bisaccate pollen spp., Colatisporites decorus, (?)Cyclograr
Species: Auroraspora solisorta, ?Cyclogranisporites aureus, Florinites florinii (A), ?F. mediapudens, F. pumicosus (A), F. visendus,
Remarks: The organic residue is dominated by inertinitic particles and palynomorphs are very rare. Lycospora pellucida specimens
Species: Auroraspora solisorta, Florinites pumicosus, F. visendus, ?Knoxisporites stephanephorus, ?K. triradiatus, Rugospora robu
Remarks: See Locality Reference No. 104 above.
Significant Species: Auroraspora macra (C-A), Colatisporites decorus (A), Retusotriletes incohatus (A), Rugospora minuta (A), Schc
Remarks: See Locality Reference No. 104 above.
Remarks: See Locality Reference No. 104 above.
Significant Species: Striatoabieites sp.,? Illinites spp.,? Protohaploxypinus sp., Florinites spp. (VA), Rugospora calderi. Remarks: A
Significant Species: Punctatosporites minutus (F), Knoxisporites triradiatus, Triquitrites sculptilis (A), T. cf. tribullatus. Remarks: This
Species: Colatisporites decorus, Florinites mediapudens, Lycospora pellucida, Schopfipollenites acadiensis/ellipsoides. Remarks: S
Species: Anapiculatisporites cf. vergrandis, Auroraspora solisorta, Caheniasaccites crenatus, Colatisporites decorus, Cannanoropol
Species: Anapiculatisporites cf. vergrandis, Auroraspora solisorta, Colatisporites decorus, Cannanoropollis janakii, C. mehtae, Cycl
Remarks: This sample yielded abundant inertinitic debris but very few spores (28 specimens) of which 11 are Lycospora pellucida. T
Species: Caheniasaccites crenatus, Colatisporites decorus, Florinites pumicosus (C), F. visendus, ? Potonieisporites spp., Rugospc
Significant Species: Auroraspora macra (A), Crassispora trychera (A), ?Potonieisporites sp, Raistrickia magdalena, Retusotriletes ir
Significant Species: Auroraspora macra, A. solisorta, Crassispora trychera (A), Incertae sedis Neves & Belt, Lycospora pellucida, R
Significant species: Auroraspora cf. torquata, Corystisporites sp., Hystrichosporites sp., Raistrickia variabilis, Spelaeotriletes echina
Significant species: Auroraspora macra (C), A. solisorta, Colatisporites decorus(C), Crassispora trychera, Knoxisporites stephaneph
Remarks: See Locality Reference No. 157 above. [Note: This assemblage was not restudied by Dolby during his1999 reassessmer
Significant species: Cristatisporites mathewsii, Dibolisporites distinctus, Grandispora uncata, Spelaeotriletes cabotii, S. cf. crustatus
Significant species: Cristatisporites mathewsii, Dibolisporites distinctus, Grandispora uncata, Spelaeotriletes cabotii, S. cf. crustatus
Significant Species: Auroraspora solisorta, , Crassispora kosankei, Cyclogranisporites aureus, Florinites cf. Florinii, F. pumicosus, I
Remarks: This assemblage is dominated by specimens of Lycospora spp. and Granulatisporites spp. but saccate pollen are rare. A
Remarks: This sample yielded an assemblage characterised by a Cumberland Group fraction with the addition of striate bisaccate p
Species: ? Bisaccate pollen spp., Cyclogranisporites aureus, C. minutus, Florinites florinii (D), F. millottii, F. pumicosus (D), F. visen
Significant Species: Anapiculatisporites "minutus", A. cf. vegrandis, Apiculatisporis variocorneus, Auroraspora solisorta, Cingulizona
Remarks: See Locality Reference No. 157 above. [Note: This assemblage was not restudied by Dolby during his1999 reassessmer
Remarks: This sample is from a bed about 2 m below 95SJ-475D1 (see Locality Reference No. 148) and about 5 m above the base
Significant Species: Auroraspora macra (A), Colatisporites decorus (A), Crassispora trychera (A), Florinites visendus (R), Potonieis
Remarks: Similar assemblage and remarks as Locality Reference No. 206. [Note: This assemblage was not restudied by Dolby dur
Significant species: Auroraspora solisorta, Florinites florinii (C), F. mediapudens, F. pumicosus (A), F. visendus (C), Kraueselisporit
Significant species: Auroraspora solisorta, Florinites pumicosus (C), F. visendus (C), Knoxisporites dissideus, Potonieisporites spp.
Significant species: Auroraspora solisorta, Florinites florinii, F. mediapudens, F. pumicosus (A), F. visendus (A), Kraeuselisporites o
Significant species: Auroraspora solisorta, Florinites pumicosus, F. visendus (C), Illinites sp., Kraeuselisporites ornatus, Potonieisp
Significant species: Auroraspora solisorta, Florinites pumicosus (A), F. visendus (A), Illinites sp., Knoxisporites dissidius, Kraeuseli
Significant species: Auroraspora solisorta, Bisaccate pollen grain, Cyclogranisporites minutus, Florinites cf. florinii, F. pumicosus ((
Significant species: Auroraspora solisorta, Florinites pumicosus, F. visendus (C), Kraeselisporites ornatus, Illinites sp., Lycospora
Significant Species: Auroraspora solisorta (A), Caheniasaccites crenatus, Colatisporites decorus, , Florinites pumicosus, F. visendu
Significant Species: Anapiculatisporites cf. vergrandis, Auroraspora solisorta (A), Colatisporites decorus (F-A), Florinites visendus (A
Species: Calamospora spp.,Cannanoropollis janakii, Colatisporites decorus, Cyclogranisporites aureus, Endosporites globiformis (C
Species: Auroraspora solisorta, Cyclogranisporites minutus, Florinites mediapudens, F. pumicosus, Granulatisporites granulatus, R.
Species: Auroraspora solisorta, Apiculatisporis variocorneus, Colatisporites decorus, Crassispora kosankei, Cyclogranisporites minu
Significant species: Florinites florinii, F. spp., Verrucosisporites cf. microtuberosus, Wilsonites delicatus. Remarks: This is a small a
Significant species: Auroraspora solisorta, Endosporites globiformis, Florinites spp., Kraeuselisporites ornatus, Leiotriletes inermis,
Significant species: Auroraspora macra (R), Colatisporites decorus (C), Crassispora trychera (VR), Florinites visendus (VR), Knoxis
Significant Species: Dictyotriletes muricatus, D. reticulocingulum, Endosporites globiformis, Illinites aff. boehneri, I. sp., Punctatosp
Significant species: Ahrensisporites cf. beeleyensis, Auroraspora macra (ER), Colatisporites decorus, Florinites visdendus, F. pumi

Age	Zone	Source Report
Middle Langsettian - early D		Dolby, 1999b
Middle Langsettian - early D		Dolby, 1999b
Middle Langsettian - early D		Dolby, 1999b
Middle Langsettian - early D		Dolby, 1999b
Middle Langsettian - early D		Dolby, 1999b
Probably Bolsovian		Dolby, 1999b
Probably late Namurian - We		Dolby, 1997b
Not older than Kinderscoutia		Dolby, 1999b
Early Namurian		Dolby, 1997b
Early Namurian		Dolby, 1997b
Early Namurian		Dolby, 1997b
Early Namurian		Dolby, 1997b
Westphalian C, probably earl		Dolby, 1996a
Early Westphalian C		Dolby, 1996a
Not older than early middle L		Dolby, 1999b
Not older than early middle L		Dolby, 1999b
Not older than early middle L		Dolby, 1999b
? Namurian		Dolby, 1997b
Not older than Kinderscoutia		Dolby, 1999b
Early Namurian		Dolby, 1996a
Early Namurian		Dolby, 1996b
Early Tournaisian - ?Strunian		Dolby, 2000b
Namurian		Dolby, 2000b
Namurian		Dolby, 1996a
Indeterminable		Dolby, 2000b
Indeterminable		Dolby, 2000b
Namurian		Dolby, 1996a
Probably middle Langsettian		Dolby, 1999b
Middle Langsettian - ?early		Dolby, 1999b
Probably Bolsovian		Dolby, 1999b
Namurian		Dolby, 1996a
Namurian		Dolby, 1996a
Namurian		Dolby, 1996a
Probably Namurian		Dolby, 1996a
Late Namurian - early Westp		Dolby, 1996a
Probably middle Langsettian		Dolby, 1999b
Middle Langsettian - ?early		Dolby, 1999b
Middle Langsettian - ?early		Dolby, 1999b
Middle Langsettian - ?early		Dolby, 1999b
Middle Langsettian - ?early		Dolby, 1999b
Probably Langsettian		Dolby, 1999b
Middle Langsettian - ?early		Dolby, 1999b
Namurian		Dolby, 1996a
Probably Namurian C		Dolby, 1995c
Late Duckmantian - early Bol		Dolby, 1999b
Probably Namurian - early W		Dolby, 1999b
Late Duckmantian -? early B		Dolby, 1999b
Middle Langsettian or young		Dolby, 1999b
Late Langsettian - ?early Du		Utting, 1999
Probably Namurian, probably		Dolby, 1999b
Late Duckmantian		Dolby, 1995c
Namurian (probably Kindersc		Dolby, 1999b

LocRefNo	SampleNo	NTS	Lat(N)	Long(W)	Formation
225	536-020-1A	21 H/16	45° 52' 56.6"	64° 15' 53.6"	Boss Point / Cole Point Member
113	CS95-514	21 H/10	45° 40' 57.2"	64° 43' 10.7"	Shepody
141	NBGO (NB Gas and Oilfiel	21 H/15	45° 58' 15"	64° 48' 32"	Boss Point / Breau Creek Member
101	CS96-002	21 H/10	45° 36' 15.2"	64° 47' 22.5"	Maringouin
135	Irving/Chevron Middlesex,	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Boss Point / Breau Creek Member
196	Irving/Chevron Middlesex,	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Boss Point / Cole Point Member
195	Irving/Chevron Middlesex,	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Boss Point / Cole Point Member
194	Irving/Chevron Middlesex,	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Boss Point / Cole Point Member
197	Irving/Chevron Middlesex,	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Boss Point / Cole Point Member
241	Irving/Chevron Middlesex,	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Salisbury
240	Irving/Chevron Middlesex,	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Salisbury
139	MariCo Steeves Mills 2, 66	21 H/15	45° 56' 13"	64° 48' 21"	Boss Point / Cole Point Member
261	535-082-4B1	21 I/01	46° 05' 22.7"	64° 10' 01.9"	Richibucto
2	W21-5, GSC Loc. D2460	21 I/02	46° 02' 32"	64° 33' 46"	Memramcook
187	508-203-1B	21 I/01	46° 01' 27.9"	64° 21' 09.1"	Boss Point / Cole Point Member
151	512-137-8C	21 H/16	45° 58' 06.0"	64° 28' 43.7"	Boss Point / Breau Creek Member
150	526-073-502	21 H/16	45° 58' 10.1"	64° 28' 34.1"	Boss Point / Breau Creek Member
149	526-073-5-1	21 H/16	45° 58' 16.4"	64° 28' 39.6"	Boss Point / Breau Creek Member
213	527-017-3B	21 H/16	45° 55' 49.1"	64° 27' 40.7"	Boss Point / Cole Point Member
214	527-019-2A	21 H/16	45° 55' 58.7"	64° 25' 15.8"	Boss Point / Cole Point Member
215	527-019-2B	21 H/16	45° 56' 03.1"	64° 25' 13.5"	Boss Point / Cole Point Member
224	NB 271, 340-50'	21 H/16	45° 51' 33"	64° 27' 11"	Boss Point / Cole Point Member
260	535-082-2A	21 I/01	46° 05' 11.5"	64° 10' 24.6"	Richibucto
136	Irving/Chevron Middlesex,	21 H/14	45° 58' 39.7"	65° 00' 09.4"	Boss Point / Breau Creek Member
210	536-012-1A1	21 H/16	45° 52' 04.3"	64° 23' 17.8"	Boss Point / Cole Point Member
211	536-012-1B1	21 H/16	45° 52' 01.7"	64° 23' 11.4"	Boss Point / Cole Point Member
209	536-012-2A2	21 H/16	45° 52' 08.0"	64° 23' 03.0"	Boss Point / Cole Point Member
198	NBGO (NB Gas and Oilfiel	21 H/15	45° 57' 50'	64° 55' 13"	Boss Point / Cole Point Member
199	NBGO (NB Gas and Oilfiel	21 H/15	45° 57' 50'	64° 55' 13"	Boss Point / Cole Point Member
180	NBGO (NB Gas and Oilfiel	21 I/02	46° 01' 41"	64° 42' 52"	Boss Point / Cole Point Member
142	NBGO (NB Gas and Oilfiel	21 H/15	45° 59' 03"	64° 44' 25"	Boss Point / Breau Creek Member
153	536-018-4B	21 H/16	45° 52' 44.8"	64° 17' 01.4"	Boss Point / Breau Creek Member
219	527-021-2G	21 H/16	45° 56' 21.4"	64° 24' 03.5"	Boss Point / Cole Point Member
192	D'Arcy Port Elgin, 2826-34'	21 I/01	46° 03' 54"	64° 06' 50"	Boss Point / Cole Point Member
127	GSC 7977	21 I/02	46° 00' 15.0"	64° 42' 22.3"	Boss Point / Breau Creek Member
181	GSC 6858	21 I/02	46° 02' 30.3"	64° 41' 53.3"	Boss Point / Cole Point Member
251	GSC 6855	21 I/02	46° 08' 00.1"	64° 49' 59.8"	Richibucto
249	GSC 6848	21 I/02	46° 06' 41.4"	64° 56' 03.6"	Richibucto
220	538-102-2A	21 H/16	45° 56' 56.2"	64° 24' 26.6"	Boss Point / Cole Point Member
256	GSC 6556	21 I/02	46° 12' 56.8"	64° 32' 38.5"	Richibucto
23	GSC 6454	21 I/02	46° 01' 11.5"	64° 33' 14.8"	Albert
254	GSC 9856	21 I/02	46° 11' 17.0"	64° 47' 15.3"	Richibucto
253	95SJ-235B2	21 I/02	46° 07' 24.8"	64° 47' 53.6"	Richibucto
126	GSC 6561	21 I/02	46° 00' 22.4"	64° 42' 22.7"	Boss Point / Breau Creek Member
238	D'Arcy Port Elgin, 2601-06'	21 I/01	46° 03' 54"	64° 06' 50"	Salisbury
235	D'Arcy Cape Bald 2, 727-3	21 I/01	46° 08' 58"	64° 20' 36"	Salisbury
193	DAE-19-001	21 I/01	46° 03' 54.0"	64° 06' 50.0"	Boss Point / Cole Point Member
115	CS96-404	21 H/10	45° 38' 26.0"	64° 48' 31.0"	Shepody
166	CS96-337	21 H/10	45° 38' 08.4"	64° 47' 05.9"	Boss Point / Ward Point Member
98	CS96-273	21 H/10	45° 39' 46.6"	64° 44' 4.0"	Lime-kiln Brook
155	CS96-098	21 H/10	45° 36' 55.2"	64° 55' 44.8"	Boss Point / Breau Creek Member
122	CS96-085b	21 H/10	45° 35' 27.5"	64° 57' 13.8"	Boss Point / Chignecto Bay Member

Assemblage/Remarks
Significant species; Anapiculatisporites cf. vergrandis, Crassispora kosankei, Florinites florinii (F), F. pumicosus (A), F. visendus (A)
Significant Species: Crassispora trychera (A), Retusotriletes incohatus (A), Rugospora minuta, Schopfites claviger (A), Schopfipolle
Significant species: Auroraspora solisorta, Calamospora spp. (A), Colatisporites decorus, Densosporites anulatus, Florinites pumic
Remarks: The Windsor-Mabou arid association is abundant here but the assemblage lacks diversity. The assemblage is not dissimi
Species: Cingulizonates spp., Colatisporites decorus, Florinites spp., F. visendus, Granulatisporites microgranifer, Knoxisporites trir
Species: Anapiculatisporites cf. vegrandis, Bisaccate pollen spp., Colatisporites decorus, Cyclogranisporites aureus, Florinites florir
Species: Cyclogranisporites aureus, Dictyotriletes muricatus, Florinites florinii (C), F. mediapudens, F. pumicosus (A), F. visendus (A
Species: Auroraspora solisorta, Bisaccate pollen spp., Cyclogranisporites aureus, C. minutus, Florinites florinii, F. mediapudens, F.
Species: Apiculatisporis sp., Calamospora breviradiata, Cirratriradites sp., Convolutispora sp., Cyclogranisporites aureus, Florinites
Species: Auroraspora solisorta, Bisaccate pollen spp., Calamospora spp., Cannanoropollis janakii, Colatisporites decorus, Crassisp
Species: Auroraspora solisorta, Bisaccate pollen spp., Caheniasaccites crenatus, Cannanoropollis janakii, (?)C. mehtae, Colatispor
Significant species: Florinites cf. florinii, F. cf. mediapudens, F. pumicosus, F. similis, , , F. visendus, Kraeuselisporites ornatus, Ra
Remarks: Same as Locality Reference No. 260 above.
Species: Ancyrospora spp., Aneurospora greggsii (McGregor) Streel, Corystisporites sp., * cf. Cristatisporites insuitatus (Allen) McC
Significant species: Ahrensisporites beeleyensis, A. cf. beeleyensis, Cananoropollis janakii, C. cf. mehtae, Florinites florinii (R), F. s
Significant Species: Colatisporites decorus (A), Crassispora kosankei (A), Florinites visendus (A), Granulatisporites microgranifer, L
Remarks: This is an extremely poor sample with few palynomorphs. Apart from species of Lycospora there are only single specime
Remarks: There is an abundance of species present which are characteristic of the Windsor-Mabou but in proportions which sugges
Significant species: Ahrensisporites cf. beeleyensis, Auroraspora solisorta, Florinites florinii, F. spp. (A), Lycospora spp. (VA), L. orl
Significant species: Apiculatisporis variocorneus, Auroraspora solisorta, Cananoropollis janakii, C. mehtae, Florinites florinii (A), F
Significant species: Auroraspora solisorta, Cananoropollis janakii, C. mehtae, Florinites florinii, F. junior, F. pumicosus (VA), F. vise
Significant species: Anapiculatisporites cf. grandis, Auroraspora solisorta, Barakarites sp., Colatisporites decorus, Florinites florinii,
Significant species: Cadiospora magna (A), C. cf. magna (C), Illinites boehneri, I. unicus, Punctatosporites oculus, Raistrickia cf. ac
Species: Auroraspora macra, A. solisorta, Crassispora kosankei, C. trychera, Cyclogranisporites aureus, Florinites florinii, F. pumicc
Significant species: Ahrensisporites beeleyensis, Granasporites medius, Lycospora noctuina, L. rotunda. Remarks: This sample wa
Significant species: Ahrensisporites beeleyensis, ?Granasporites medius, Punctatosporites sp.. Remarks: This sample was describ
Significant species: , Florinites florinii (A), F. mediapudens, F. spp. (A), Lycospora orbicula (R), L. spp. (A), Plicatipollenites malabar
Species: Anapiculatisporites sp., Auroraspora solisorta, Calamospora breviradiata, Cyclogranisporites aureus, Discernisporites sp.,
Significant species: Florinites florinii (C), F. mediapudens (R), F. pumicosus (A,), F. visendus (A), Striate bisaccate pollen, Wilsonite
Significant species: Auroraspora solisorta, Calamospora spp. (C), Florinites florinii, F. visendus, Knoxisporites stephanephorus, Lyc
Significant species: Ahrensisporites cf. beeleyensis, Apiculatisporis variocorneus, Colatisporites decorus, Crassispora kosankei, Flo
Significant Species: Anapiculatisporites cf. vergrandis, Auroraspora solisorta (A), Colatisporites decorus (F-A), Florinites visendus (A
Significant species: Crassispora kosankei, Florinites florinii, F. mediapudens, F. pumicosus, Lycospora orbicula, L. spp. (A), Plicatip
Significant species: Crassispora kosankei (A), Florinites florinii, F. mediapudens, F. pumicosus (C), F. visendus (A), Reticulatisporite
Remarks: This is a typical lower Cumberland assemblage from Association 1. Florinites visendus and Potonieisporites spp. are both
Remarks: This assemblage is dominated by extremely abundant Windsor-Mabou spores. The presence of Crassispora kosankei, P
Remarks: This assemblage resembles GSC 6556 (Locality Reference No. 256, see below) except that it is much richer. The age is
Remarks: This is a poor assemblage containing a lot of blackened corroded spores that were presumably reworked. There is also s
Significant species: Apiculatisporis variocorneus, Crassispora kosankei, Cyclogranisporites aureus (VA), Florinites florinii, F. spp. (A
Significant species: Illinites unicus, Punctatosporites spp. (A), Triquitrites additus, T. sculptilis, T. tribullatus, Vestispora fenestrata, V
Species: Acanthotriletes cf. A. hacquebardii Playford, Apiculatasporites sp., cf. A. chaeozonotriletes dedaleus Kedo, Grandiospora (S
Significant species: Hamiapollenites tractiferinus (A), Illinites annosus, I. unicus (A), Latosporites cf. minutus (A), Potonieisporites s
Significant species: Florinites spp. (C-A), Illinites unicus (C-A), Lycospora spp. (VA), Plicatipollenites sp., Protohaploxypinus sp. (R
Remarks: This is a typical lower Cumberland assemblage of long-ranging forms. The only species of note is Spore type A which oc
Significant species: Endosporites globiformis, Illinites unicus, Triquitrites cf. bransonii, T. cf. sculptilis, Vestispora pseudoreticulata,
Significant species: Endosporites globiformis (VA), E. zonalis, Granasporites medius (VA), Hamiapollenites tractiferinus, Illinites bo
Remarks: The sample represents cuttings from two depth intervals, 956.8 - 972.9 m (3140-3190')and 972.9 - 991.2 m (3190-3250')
Significant Species: Auroraspora macra, Crassispora trychera (A), Raistrickia magdalena, Retusotriletes incohatus (A), Rugospora r
Significant species: Florinites pumicosus (A), F. visendus (A), Plicatipollenites spp. (R), Potonieisporites (A), Rugospora calderi (in
Significant Species: Auroraspora macra, Crassispora trychera, Retusotriletes incohatus, Rugospora minuta. Remarks: Although the
Significant species: Florinites pumicosus (A), F. visendus (A), Plicatipollenites spp. (R), Potonieisporites (A), Rugospora calderi (in s
Significant Species: Crassispora trychera (A), Knoxisporites triradiatus (A), K. stephanephorus (R), Lycospora pellucida (A), Potonie

Age	Zone	Source Report
Langsettian		Dolby, 1995c
Probably early Namurian		Dolby, 1996b
Probably Namurian		Dolby, 1999b
Possibly latest Visean		Dolby, 1997a
Namurian - Westphalian (Ki		Dolby, 1999b
Middle Langsettian - ?early		Dolby, 1999b
Middle Langsettian - ?early		Dolby, 1999b
Middle Langsettian - ?early		Dolby, 1999b
Yeadonian - Langsettian		Utting, 1999
Late Duckmantian - early Bol		Dolby, 1999b
Late Duckmantian - early Bol		Dolby, 1999b
Undiff. Namurian - early Wes		Dolby, 1999b
Westphalian D		Dolby, 1995c
Famennian		McGregor, 1983
Middle to late Langsettian		Dolby, 1999b
Namurian		Dolby, 1995c
Namurian		Dolby, 1995c
Probably late Namurian		Dolby, 1995c
Middle to ?late Langsettian		Dolby, 1999b
Middle Langsettian - ?early		Dolby, 1999b
Middle Langsettian - ?early		Dolby, 1999b
Middle to late Langsettian		Dolby, 1999b
Westphalian D		Dolby, 1995c
Namurian - Westphalian (Ki		Dolby, 1999b
Middle to ?late Langsettian		Dolby, 1999b
Middle to ?late Langsettian		Dolby, 1999b
Not older than middle Langs		Dolby, 1999b
Not older than middle Namur		Utting, 1999
Not older than middle Langs		Dolby, 1999b
Westphalian		Dolby, 1999b
Not younger than early Lang		Dolby, 1999b
Probably Namurian C		Dolby, 1995c
Middle Langsettian - ?early		Dolby, 1999b
Langsettian - ?early Duckma		Dolby, 1999b
Probably late Namurian		Dolby, 1995c
? Late Namurian - early Wes		Dolby, 1994
Westphalian D		Dolby, 1995c
? Westphalian D		Dolby, 1995c
Probably middle Langsettian		Dolby, 1999b
Probably late Westphalian D		Dolby, 1995c
Tournaisian		Carr, 1968
Stephanian		Dolby, 1995c
Probably Westphalian D		Dolby, 1996a
Westphalian A		Dolby, 1995c
Early Bolsovian		Dolby, 1999b
Early Bolsovian		Dolby, 1999b
Early Westphalian A		Dolby, 1995c
Early Namurian		Dolby, 1997a
Namurian		Dolby, 1997a
? Visean		Dolby, 1997a
Namurian		Dolby, 1997a
Namurian		Dolby, 1997a

LocRefNo	SampleNo	NTS	Lat(N)	Long(W)	Formation
1	GSC 6452 (See Loc. Ref.	21 I/02	46° 02' 30.6"	64° 33' 44.3"	Memramcook
190	Imperial Port Elgin, 2040-2	21 I/01	46° 04' 46"	64° 06' 48"	Boss Point / Cole Point Member
221	538-104-1A	21 H/16	45° 57' 33.8"	64° 23' 49.0"	Boss Point / Cole Point Member
179	95SJ- 417A2	21 I/02	46° 01' 59.7"	64° 44' 08.0"	Boss Point / Cole Point Member
255	95SJ-126A2	21 I/02	46° 14' 41.9"	64° 39' 47.7"	Richibucto
257	95SJ-172A1, A2, A3	21 I/02	46° 11' 52.8"	64° 32' 35.4"	Richibucto
258	95SJ-175A1	21 I/02	46° 11' 40.4"	64° 32' 19.0"	Richibucto
236	Imperial Port Elgin, 970-80'	21 I/01	46° 04' 46"	64° 06' 48"	Salisbury
259	GSC 6555	21 I/02	46° 08' 38.3"	64° 35' 10.8"	Richibucto
134	Imperial Port Elgin, 2810-3	21 I/01	46° 04' 46"	64° 06' 48"	Boss Point / Breau Creek Member
237	Imperial Port Elgin, 1180-1	21 I/01	46° 04' 46"	64° 06' 48"	Salisbury
146	Imperial Dorchester 900-1	21 H/15	45° 53' 21"	64° 31' 25"	Boss Point / Breau Creek Member
143	GSC D1445	21 H/15	45° 53' 38.9"	64° 37' 06.9"	Boss Point / Breau Creek Member
145	Imperial Dorchester 60-53	21 H/15	45° 53' 21"	64° 31' 25"	Boss Point / Breau Creek Member
3	GSC Localities 8810, 8813	21 I/02	46° 02' 32.9"	64° 33' 43.4"	Memramcook
191	I0L-60-001	21 I/01	46° 04' 45.8"	64° 06' 47.5"	Boss Point / Cole Point Member
10	U19-513	21 I/02	46° 13' 53.2"	64° 48' 02.9"	Indian Mountain
17	CS94-210	21 I/02	46° 12' 02.3"	64° 52' 08.9"	Indian Mountain
9	U19-508	21 I/02	46° 13' 51.4"	64° 48' 14.3"	Indian Mountain
20	U20-544	21 I/02	46° 10' 41"	64° 55' 32"	Indian Mountain
4	U20-84-10C	21 I/02	46° 11' 27.5"	64° 49' 07.3"	Hillsborough
49	U23-587	21 H/15	45° 50' 48.9"	64° 51' 11.6"	Albert
89	U20-84-13	21 I/02	46° 07' 57.6"	64° 58' 36.6"	Hillsborough
5	U20-84-28	21 I/02	46° 11' 51.5"	64° 48' 35.1"	Hillsborough
22	CS94-117	21 I/02	46° 09' 57.8"	64° 56' 07.6"	Albert
51	U23-74	21 H/15	45° 50' 40.2"	64° 51' 56.4"	Albert
12	U19-84-504	21 I/02	46° 13' 07.1"	64° 48' 44.8"	Albert
16	U19-84-1	21 I/02	46° 12' 09.2"	64° 50' 26.3"	Albert
85	CS94-110	21 I/02	46° 08' 21.4"	64° 58' 34.3"	Hillsborough
75	CS94-030	21 I/02	46° 10' 04.3"	64° 52' 16.6"	Hillsborough
6	U19-84-3A	21 I/02	46° 12' 08.1"	64° 48' 16.5"	Hillsborough
48	U23-609A	21 H/15	45° 51' 39.7"	64° 48' 54.2"	Albert
47	U23-607	21 H/15	45° 51' 41.3"	64° 48' 52.8"	Albert
7	V19-84-2	21 I/02	46° 12' 22.9"	64° 47' 46.1"	Hillsborough
27	CS92-54	21 H/15	45° 59' 42.4"	64° 34 32.7"	Albert
26	CS92-58	21 H/15	45° 59' 53.8"	64° 35' 16.3"	Albert
28	W22-510	21 H/15	45° 59' 31.0"	64° 34' 26.6"	Albert
53	Little River No. 1, 1215-13	21 H/15	45° 54' 26.6"	64° 56' 04.9"	Albert
68	Columbia Beaver Brook 1,	21 H/15	45° 54' 09.9"	64° 52' 27.4"	Albert
70	NBGO (NB Gas and Oilfiel	21 H/15	45° 58' 15"	64° 48' 32"	Albert
73	Columbia/Corridor TCH, 17	21 H/16	45° 59' 15"	64° 29' 07"	Albert
69	NBGO (NB Gas and Oilfiel	21 H/15	45° 58' 15"	64° 48' 32"	Albert
24	CS92-62	21 I/02	46° 00' 24.3"	64° 35' 04.7"	Albert
25	CS92-67	21 I/02	46° 00' 29.2"	64° 35' 16.1"	Albert
54	CS00-068C	21 H/15	45° 47' 41"	64° 59' 55"	Albert
41	Irving/Chevron East Stone	21 H/15	45° 57' 52.2"	64° 41' 17.2"	Albert
72	Columbia Beaumont, 1021.	21 H/15	45° 53' 30"	64° 34' 13"	Albert
71	Columbia Beaumont, 916.1	21 H/15	45° 53' 30"	64° 34' 13"	Albert
46	V23-164	21 H/15	45° 51' 49.2"	64° 47' 59.3"	Albert
14	V19-84-15	21 I/02	46° 12' 37.5"	64° 46' 58.2"	Indian Mountain
45	Irving/Chevron Hillsboroug	21 H/15	45° 55' 07.3"	64° 43' 12.0"	Albert
44	Irving/Chevron Hillsboroug	21 H/15	45° 55' 07.3"	64° 43' 12.0"	Albert

Assemblage/Remarks
Species: ? Ancyrospora sp., Cyclogranisporites sp., Emphanisporites rotatus McGregor, , Hystricosporites sp., Perotrilites = Hymen
Species: Anapiculatisporites sp. 271, Auroraspora macra, A. solisorta, Calamospora parva, Colatisporites decorus, Crassispora kos
Significant species: Anapiculatisporites spp., Auroraspora solisorta, Florinites florinii, F. spp. (A), Kraeuselisporites ornatus (F), Lycc
Significant species: Apiculatisporis cf. variocorneus, Cananoropollis sp., cf. Cordaitina sp., Crassispora kosankei, Florinites mediap
Significant species: Cadiospora magna (R), Cananorpollis spp., Cirratriradites maculatus, C. saturni, Crassispora kosankei (A), Enc
Significant species: Illinites unicus, Potoniesporites spp., Protohaploxypinus spp. (R), Punctatosporites granifer, P. minutus, P. ocul
Significant species: Cannanoropollis janakii, Florinites spp. (C), Hamiapollenites tractiferinus (R), Illinites unicus (VA), Potonieisporit
Significant species: Lycospora granulata, L. pellucida (A), L. pusilla (A), ?Punctatosporites sp., Triquitrites cf. sculptilis. Remarks: T
Remarks: This is a rich assemblage typical of Association 3. Specimens of Thymospora pseudothiesseni and Raistrickia aculeata
Species: Auroraspora macra, A. solisorta (C), Calamospora spp., Colatisporites decorus, Crassispora trychera, Discernisporites mic
Significant species: Aumancisporites striatus sensu Ravn, Endosporites globiformis, Hamiapollenites tractiferinus, Illinites boehneri
Significant species: Auroraspora macra, A. solisorta, Colatisporites decorus, Crassispora trychera, Florinites visendus, Knoxisporite
Remarks: This is an extremely poor assemblage of only 34 specimens. There is evidence in this slide of reworking of Devonian an
Significant species: Florinites pumicosus, F. visendus, Ibrahimispores brevispinosus, Knoxisporites spp., Kraeuselisporites cf. echin
Species: 8810: Ancyrospora spp., Aneurospora greggsii (McGregor) Streel, ?Grandispora magnifica Owens, Hymenozonotriletes va
Remarks: Sample is from depth of 691.9 - 704.1 m (2270-2310') in Imperial Port Elgin No. 1 well. The sample resembles other lowe
Remarks: This assemblage somewhat resembles the U19-508 sample (Locality Reference No. 9, see above) but spores are much
Remarks: Spores are rare and poorly preserved. The overall impression is of a pre-Albert age but there are insufficient data to be c
Significant Species: Auroraspora macra, Cristatisporites mathewsii, Grandispora uncata, Spelaeotriletes crenulatus, Vallatisporites
Significant Species: Corystisporites sp., Cristatisporites mathewsii, Grandispora uncata, Pustulatisporites gibberosus, Retispora lep
Species: Auroraspora macra, Granulatisporites frustulentus, Retusotriletes incohatus, Spelaeotriletes cabotii, S. cf. echinatus, S. sp
Species: Auroraspora macra, Calamospora spp. (VA), Discernisporites micromanifestus, Leiozonotriletes insignitus, Perotrilites sp.,
Species: Cristatisporites mathewsii, Retusotriletes incohatus, Spelaeotriletes cabotii. Remarks: The yield from this sample was extr
Species: Auroraspora macra, Calamospora spp. (A), Cristatisporites mathewsii, Convolutispora cf. vermiformis, Punctatisporites spp
Remarks: Although rich, pyrite has damaged most specimens beyond recognition. A specimen of Cristatisporites mathewsii and of
Species: Discernisporites micromanifestus, Leiozonotriletes insignitus, Retusotriletes incohatus, Spelaeotriletes cabotii (A). Remark
Species: Knoxisporites literatus, Spelaeotriletes cf. cabotii, Spinozonotriletes cf. uncatus, Verrucosisporites congestus. Remarks: T
Species: Knoxisporites literatus, Spelaeotriletes cf. cabotii, Spinozonotriletes cf. uncatus, Verrucosisporites congestus. Remarks: Th
Remarks: This sample closely resembles CS94-030 (Locality Reference No. 77, see above) except that it also contains a few Collat
Significant Species: Crassispora trychera (A), Retusotriletes incohatus (A), Rugospora polyptycha, Verrucosisporites nitidus (A). Re
Significant Species: Cristatisporites mathewsii, Pustulatisporites gibberosus, Spelaeotriletes cabotii, Verrucosisporites congestus, V
Remarks: Same as sample U23-607 (see Locality Reference No.47 above).
Species: Retusotriletes avonensis, R. incohatus, Verrucosisporites congestus, V. nitidus. Remarks: Very few spores are identifiable
Species: Cristatisporites mathewsii, Granulatisporites frustulentus, Punctatisporites spp. (A), Pustulatisporites gibberosus, Retusotri
Species: cf. Ancyrospora sp., Auroraspora macra, Cymatiosphaera sp. (R.W.), Dictyotriletes cancellatus, D. subalveolaris, Discernis
Species: Auroraspora macra, Corystisporites rugulatus, Cyclogranisporites commodus, Discernisporites crenulatus (A), Granulatisp
Species: cf. Ancyrospora sp., Calamospora spp. (A), Corystisporites costatus, Perotrilites perinatus (A), Punctatisporites spp. (A), R
Remarks: There are two samples in this interval at 1290-1295 and 1375-1380 metres. The preservation continues to deteriorate (se
Significant Species: Auroraspora macra, Corystisporites spp., Cristatisporites mathewsii, Indotriradites explanatus, Spelaeotriletes
Significant species: Auroraspora corporiga, Corystisporites spp., Cristatisporites mathewsii, Emphanisporites rotatus, Indotriradites
Significant species: Auroraspora corporiga, A. macra, Corystisporites sp., Cristatisporites mathewsii, Dictyotriletes cancellatus, Kr
Significant species: Auroraspora corporiga, Corystisporites spp., Cristatisporites mathewsii, Emphanisporites rotatus, Indotriradites
Species: Auroraspora macra, Discernisporites crenulatus (A), Grandispora cf. cornuta, Hymenozonotriletes explanatus, Knoxisporite
Species: Discernisporites crenulatus, Granulatisporites cf. frustulentus, Knoxisporites literatus, Retusotrilites incohatus. Remarks: V
Significant species: Auroraspora macra, Converrucosisporites parvinodosus (A), Cristatisporites mathewsii, Dictyotriletes cancellatu
Remarks: There is a marked drop in the numbers of S. cabotii, Vallatisporites vallatus and V. verrucosus at the top of this interval a
Significant species: Cristatisporites mathewsii, Dibolisporites abstrusus, D. distinctus, Spelaeotriletes cabotii (R), S. echinatus, Vall
Significant species: Cristatisporites mathewsii, Dibolisporites abstrusus, D. distinctus, Spelaeotriletes cabotii (R), S. echinatus, Vall
Species: Auroraspora macra, Collatisporites decorus, Cristatisporites mathewsii, Dictyotriletes cancellatus, Granulatisporites frustul
Significant Species: Converrucosisporites parvinodosus, Grandispora uncata, Knoxisporites literatus, Radiizonates mirabilis, Spelae
Species: Leiozonotriletes insignitus, Retusotriletes incohatus, Spelaeotriletes cf. balteatus, S. cabotii, S. cf. cabotii, S. cf. echinatus,
Species: Auroraspora macra, Crassispora trychera, Cristatisporites mathewsii (R), Discernisporites micromanifestus, Grandispora u

Age	Zone	Source Report
Probably latest Devonian		Carr, 1968
? Langsettian		Dolby, 1999b
Middle Langsettian - ?early		Dolby, 1999b
Late Yeadonian - early Lang		Dolby, 1999b
Stephanian C		Dolby, 1996a
Probably Westphalian D		Dolby, 1996a
Probably Cantabrian		Dolby, 1996a
? Bolsovian		Dolby, 1999b
Westphalian D		Dolby, 1995c
Namurian		Dolby, 1999b
Early Bolsovian		Dolby, 1999b
Probably not older than Kind		Dolby, 1999b
Namurian - early Westphalia		Dolby, 1995c
Namurian (late Kinderscoutia		Dolby, 1999b
Famennian		McGregor, 1983
Early Westphalian A		Dolby, 1995c
Tournaisian	?1	Dolby, 1995a
Tournaisian	?1	Dolby, 1995a
Tournaisian	?1C-1D	Dolby, 1995a
Tournaisian	?1C-1D	Dolby, 1995a
Tournaisian	?1D	Dolby, 1991
Tournaisian	?1D	Dolby, 1991
Tournaisian	?1D	Dolby, 1991
Tournaisian	?1D	Dolby, 1991
Tournaisian	?1D-2	Dolby, 1995b
Tournaisian	?2	Dolby, 1991
Tournaisian	?2	Dolby, 1991
Tournaisian	?2	Dolby, 1991
Tournaisian	?5	Dolby, 1995b
Tournaisian	?5	Dolby, 1995b
Tournaisian	1 or 1-2 transition	Dolby, 1995a
Tournaisian	1-2	Dolby, 1991
Tournaisian	1-2	Dolby, 1991
Tournaisian	1A	Dolby, 1991
Tournaisian	1A	Dolby, 1993
Tournaisian	1A	Dolby, 1993
Tournaisian	1A	Dolby, 1991
Early to middle Tournaisian	1A, Dolby (1991; 1993)	Dolby, 1994
Tournaisian	1A-?1B	Dolby, 2000b
Early Tournaisian	1A-?1B	Dolby, 2000b
Early Tournaisian	1A-?1B	Dolby, 2000b
Early Tournaisian	1A-?1B	Dolby, 2000b
Tournaisian	1A-1B	Dolby, 1993
Tournaisian	1A-1B	Dolby, 1993
Early Tournaisian	1B	Dolby, 2000b
Middle Tournaisian	1C	Dolby, 1994
Tournaisian	1C-2A (low)	Dolby, 2000b
Tournaisian	1C-2A (low)	Dolby, 2000b
Tournaisian	1D	Dolby, 1991
Tournaisian	1D	Dolby, 1995a
Late to ?late middle Tournais	1D-?1C, Dolby (1991, 1993)	Dolby, 1994
Late Tournaisian	2 D. distinctus,	Dolby, 1994

LocRefNo	SampleNo	NTS	Lat(N)	Long(W)	Formation
64	CS00-048L	21 H/15	45° 55' 29.4"	64° 36' 42.2"	Weldon
65	CS00-048M	21 H/15	45° 55' 31.2"	64° 36' 42.7"	Weldon
63	CS00-048K	21 H/15	45° 55' 26.2"	64° 36' 41.4"	Weldon
61	CS00-048J	21 H/15	45° 55' 23.9"	64° 36' 40.1"	Weldon
67	CS00-048N	21 H/15	45° 55' 35.4"	64° 36' 47.5"	Weldon
66	CS00-006	21 H/15	45° 55' 34.0"	64° 36' 45.1"	Weldon
62	CS00-005	21 H/15	45° 55' 25.0"	64° 36' 40.2"	Weldon
43	Irving/Chevron Hillsboroug	21 H/15	45° 55' 07.3"	64° 43' 12.0"	Albert
82	CS94-016	21 I/02	46° 09' 19.3"	64° 53' 15.7"	Weldon
81	CS94-076	21 I/02	46° 09' 23.4"	64° 52' 14.0"	Hillsborough
77	CS94-070d	21 I/02	46° 09' 49.0"	64° 52' 07.4"	Weldon
76	CS94-039	21 I/02	46° 10' 11.0"	64° 51' 48.5"	Hillsborough
79	CS94-012	21 I/02	46° 09' 41.9"	64° 53' 04.5"	Hillsborough
84	CS94-126b	21 I/02	46° 08' 57.1"	64° 56' 20.5"	Weldon
112	CS95-411	21 H/10	45° 43' 16.1"	64° 42' 17.7"	Shepody
94	CS95-501, CS95-501a	21 H/15	45° 48' 55.2"	64° 34' 41.7"	Lime-kiln Brook
40	Irving/Chevron East Stone	21 H/15	45° 57' 52.2"	64° 41' 17.2"	Albert
52	Little River No. 1, 760-121	21 H/15	45° 54' 26.6"	64° 56' 04.9"	Albert
90	Irving/Chevron Hillsboroug	21 H/15	45° 55' 07.3"	64° 43' 12.0"	Weldon
34	C-136305	21 H/15	45° 58' 42.4"	64° 38' 8.6"	Albert
32	C-136306	21 H/15	45° 58' 48.0"	64° 38' 12.9"	Albert
29	Petro- Canada Dover No. 1	21 H/15	45° 59' 17.2"	64° 38' 58.9"	Albert
38	Petro-Canada Boudreau N	21 H/15	45° 54' 38.2"	64° 36' 10.1"	Albert
31	Petro- Canada Dover No. 2	21 H/15	45° 58' 57.0"	64° 38' 21.8"	Albert
30	Atlantic Richfield Co. Ltd.,	21 H/15	45° 58' 56.7"	64° 39' 13.9"	Albert
35	C-136303	21 H/15	45° 58' 29.9"	64° 38' 15.0"	Weldon
36	C-136301	21 H/15	45° 58' 23.1"	64° 38' 22.5"	Weldon
33	C-136304	21 H/15	45° 58' 37.5"	64° 38' 10.7"	Albert
87	CS94-188	21 I/02	46° 08' 09.1"	64° 59' 22.1"	Weldon
78	CS94-068	21 I/02	46° 09' 44.8"	64° 51' 57.8"	Hillsborough
88	CS94-174	21 I/02	46° 08' 01.6"	64° 59' 52.2"	Hillsborough
86	CS94-112	21 I/02	46° 08' 14.9"	64° 59' 03.9"	Hillsborough
39	NBGO (NB Gas and Oilfiel	21 H/15	45° 58' 20"	64° 42' 50"	Albert
42	NBGO 104, 368-1003 m	21 H/15	45° 57' 20.2"	64° 43' 22.1"	Albert / Hiram Brook Member
99	GSC D-1971	21 H/15	45° 48' 56.4"	64° 34' 37.2"	Hopewell Cape
95	CS95-003f, -003h, -003k	21 H/15	45° 46' 49.0"	64° 38' 11.1"	Lime-kiln Brook
97	CS95-104	21 H/15	45° 46' 11.9"	64° 41' 46.2"	Lime-kiln Brook
96	CS95-169	21 H/15	45° 46' 45.8"	64° 38' 06.5"	Lime-kiln Brook
50	U23-65	21 H/15	45° 50' 45.1"	64° 51 52.6"	Albert
13	V19-84-9	21 I/02	46° 12' 34.6"	64° 47' 30.0"	Indian Mountain
83	U20-50	21 I/02	46° 09' 47.7"	64° 55' 02.2"	Albert
1	U20-529	21 I/02	46° 10' 59.5"	64° 51' 44.6"	Albert
19	U20-519	21 I/02	46° 10' 59.5"	64° 51' 44.6"	Albert
21	U20-509	21 I/02	46° 10' 00"	64° 55' 21.6"	Albert
11	V19-9	21 I/02	46° 14' 9.2"	64° 47' 00"	Albert
55	CS00-048A	21 H/15	45° 55' 6.6"	64° 36' 37"	Albert
37	W23-4	21 H/15	45° 55' 57.4"	64° 35' 40.6"	Albert
8	U19-507 (GSC Loc. D2455	21 I/02	46° 13' 50"	64° 48' 21"	Indian Mountain
15	95SJ-068A1	21 I/02	46° 12' 33.2"	64° 46' 52.1"	Indian Mountain
56	CS00-003	21 H/15	45° 55' 18.6"	64° 36' 38.7"	Round Hill
60	CS00-004	21 H/15	45° 55' 21.5"	64° 36' 39.1"	Weldon
58	CS00-048H	21 H/15	45° 55' 19.9"	64° 36' 39.1"	Round Hill

Assemblage/Remarks
Species: Cristatisporites aff. mathewsii, Dibolisporites distinctus, Dictyotriletes cancellatus, Grandispora uncata, ?Leiozonotriletes ir
Species: Dibolisporites abstrusus, D. distinctus, Dictyotriletes trivialis, Discernisporites micromanifestus, Grandispora uncata, Knoxi
Species: Dibolisporites abstrusus, D. distinctus, Discernisporites micromanifestus, Grandispora uncata, Knoxisporites literatus, Pus
Species: Knoxisporites literatus, ?Leiozonotriletes insignitus, Pustulatisporites gibberosus, Retusotriletes incohatus (A), Spelaeotrile
Species: Dictyotriletes trivialis, Discernisporites micromanifestus, Knoxisporites literatus, Retusotriletes incohatus (D), ?Rugospora
Species: Auroraspora macra, Dictyotriletes trivialis, Discernisporites micromanifestus, Grandispora uncata, Knoxisporites literatus, F
Species: Auroraspora macra, Dictyotriletes cancellatus, Discernisporites micromanifestus, Grandispora uncata, Leiozonotriletes insi
Species: Apiculiretusispora fracticosa, Auroraspora macra, Colatisporites decorus, Crassispora trychera (A), Cristatisporites mathev
Remarks: Same assemblage and remarks as sample CS94-012 (Locality Reference No. 81, see above).
Remarks: This assemblage is essentially identical to CS94-012, CS94-016 and CS94-039 (Locality Reference Nos. 81, 84 and 78 re
Remarks: This assemblage is essentially identical to CS94-012, CS94-016 and CS94-039 (Locality Reference Nos. 81, 84 and 78, r
Remarks: This sample closely resembles CS94-012 and CS94-016 (Locality Reference Nos. 81 and 84 respectively, see below).
Significant Species: Anapiculatisporites hystrichosus (R), Auroraspora macra (A), Crassispora trychera (A), Schopfites claviger (R).
Significant Species: Crassispora trychera (A), Schopfites claviger (A), Spelaeotriletes cabotii (A), S. crenulatus (A), S. cf. echinatus
Significant Species: Auroraspora macra (A), Crassispora trychera (A), Dictyotriletes odontolophos, Knoxisporites stephanephorus, L
Significant Species: Auroraspora macra, Crassispora trychera (VA), Retusotriletes incohatus, Rugospora cf. corporata, R. minuta, S
Remarks: The age of this interval is based on the presence of Verrucosisporites congestus and abundant Spelaeotriletes cabotii at a
Remarks: Eight samples are included in this interval at depths of 760-765, 785-790, 845-850, 930-935, 990-995, 1045-1050, 1090-1
Remarks: The one sample from this interval (1235-1240 m) yielded a poorly preserved assemblage of thermally altered and corrode
Species: Cyclogranisporites commodus, Discernisporites micromanifestus, Grandispora echinata, G. uncata, Leiotriletes ornatus, P
Species: Cyclogranisporites commodus, Grandispora echinata, G. uncata, Punctatisporites irrasus, P. planus, Raistrickia clavata, R
Species: Cyclogranisporites commodus, Discernisporites crenulatus, Grandispora echinata, G. uncata, Knoxisporites literatus, Pun
Species: Convolutispora vermiformis, Cristatisporites aculeatus, Cyclogranisporites commodus, Dictyotriletes submarginatus, Disce
Species: Convolutispora vermiformis, Cyclogranisporites commodus, Discernisporites crenulatus, Grandispora uncata, Granulatispo
Species: Cyclogranisporites commodus, Dictyotriletes submarginatus, Discernisporites crenulatus, Grandispora uncata, Raistrickia
Species: Converrucosisporites parvinodosus, Cyclogranisporites commodus, Dictyotriletes submarginatus, Discernisporites microm
Species: Auroraspora macra, Converrucosisporites parvinodosus, Convolutispora flexuosa f. major, C. vermiformis, Dictyotriletes su
Species: Cyclogranisporites commodus, Grandispora echinata, G. uncata, Punctatisporites irrasus, P. planus, Spelaeotriletes pretio
Remarks: This sample resembles others in this group assigned a 4-5 transition age. Crassispora trychera is abundant and there are
Significant Species: Auroraspora macra (R), Crassispora trychera (R), Knoxisporites literatus (R), Rugospora polyptycha (R). Rema
Remarks: Auroraspora macra, Crassispora trychera and Spelaeotriletes crenulatus are all abundant and there is no sign of a Zone
Remarks: Spores are rare in this small residue. A specimen of Crassispora trychera, if in situ indicates an age no older than Upper
Significant species: Cristatisporites mathewsii, Knoxisporites literatus, K. cf. hederatus, Spelaeotriletes cabotii (A), S. pretiosus, Spi
Species: Acanthotriletes hacquebardii, Convolutispora sp., Cyclogranisporites mcallisteri, Dictyotriletes submarginatus, Grandispora
Significant Species: Auroraspora macra, Convolutispora labyrinthea, C. tessellata, Crassispora trychera, Discernisporites microman
Significant Species: Auroraspora macra, Colatisporites decorus, Crassispora trychera (VA), Lycospora pellucida, L. pusilla, Pustulat
Significant Species: Auroraspora macra, Colatisporites decorus, Crassispora trychera (VA), Lycospora pellucida, L. pusilla, Pustulat
Remarks: This is a poor assemblage that closely resembles other Lower Windsor samples in this study.
Species: Auroraspora macra, Granulatisporites frustulentus, Retusotriletes incohatus (A), Spelaeotriletes cabotii, Spinozonotriletes
Significant Species: Spelaeotriletes cabotii, S. cf. crenulatus, S. echinatus, S. cf. pretiosus, Verrucosisporites congestus, V. nitidus,
Significant Species: Converrucosisporites parvinodosus, Dictyotriletes cancellatus, Grandispora uncata, Spelaeotriletes cabotii, S. c
Remarks: Although organic yield was high, very few recognisable spores are present. Spores are abundant but pyritization is so sev
Remarks: Although organic yield was high, very few recognisable spores are present. Sample is similar to U20-509 (Locality Refere
Remarks: Although organic yield was high, very few recognisable spores are present. Sample is dominated by amorphous ?saprop
Remarks: Spores are moderately numerous but they have been severely thermally altered and with the heavy pyritization, none is ic
Species: Auroraspora macra, Cristatisporites mathewsii (A), Dictyotriletes cancellatus, Discernisporites micromanifestus, Grandispo
Species: Auroraspora macra, Cristatisporites mathewsii, Dictyotriletes cancellatus, D. trivialis, Grandispora uncata (F), Knoxisporite
Species: Archaeozonotriletes gracilis Kedo (non A. gracilis (Kedo) Streel), ?A. multiplicabilis Kedo, Asperispora acuta (Kedo) Van d
Significant Species: Crassispora trychera, Knoxisporites literatus, Retusotriletes incohatus (VA), Rugospora minuta, Spelaeotriletes
Species: Auroraspora macra, ?Crassispora trychera, Cristatisporites cf. mathewsii, Dictyotriletes cancellatus, Raistrickia clavata, R
Species: ?Crassispora trychera, Dibolisporites abstrusus, D. distinctus, Dictyotriletes cancellatus, Grandispora uncata, Pustulatispo
Species: Auroraspora macra, Grandispora uncata, Knoxisporites literatus, Pustulatisporites gibberosus, Retusotriletes incohatus (A)

Age	Zone	Source Report
Tournaisian	2A	Dolby, 2000b
Tournaisian	2A	Dolby, 2000b
Tournaisian	2A	Dolby, 2000b
Tournaisian	2A	Dolby, 2000b
Tournaisian	2A	Dolby, 2000b
Tournaisian	2A	Dolby, 2000b
Tournaisian	2A	Dolby, 2000b
Late Tournaisian	3, S. cabotii,	Dolby, 1994
Tournaisian	4-5	Dolby, 1995b
Tournaisian	4-5	Dolby, 1995b
Tournaisian	4-5	Dolby, 1995b
Tournaisian	4-5	Dolby, 1995b
Tournaisian	4-5	Dolby, 1995b
Tournaisian	4-5	Dolby, 1995b
Visean	AT ?, Utting (1987a)	Dolby, 1996b
Visean	AT, Utting (1987a)	Dolby, 1996b
Late Tournaisian	D. distinctus, Utting et al. (1989	Dolby, 1994
Middle Tournaisian	E. rotatus - I. explanatus, Utting	Dolby, 1994
Tournaisian	Indeterminate	Dolby, 1994
Tournaisian	Late Tn2- Early Tn3	Utting, 1987b
Tournaisian	Late Tn2- Early Tn3	Utting, 1987b
Tournaisian	Late Tn2- Early Tn3	Utting, 1987b
Tournaisian	Late Tn2- Early Tn3	Utting, 1987b
Tournaisian	Late Tn2- Early Tn3	Utting, 1987b
Tournaisian	Late Tn2- Early Tn3	Utting, 1987b
Tournaisian	Late Tn2- Early Tn3	Utting, 1987b
Tournaisian	Late Tn2- Early Tn3	Utting, 1987b
Tournaisian	Late Tn2- Early Tn3	Utting, 1987b
Tournaisian	N.O.T. Upper 3A	Dolby, 1995b
Tournaisian	N.O.T. Upper 3A	Dolby, 1995b
Tournaisian	N.O.T. Upper 3A	Dolby, 1995b
Tournaisian	N.O.T. Upper 3A	Dolby, 1995b
Tournaisian	No older than 3A	Dolby, 1999a
Tournaisian	Not given	Varma, 1969
Visean	NS, Utting (1987a)	Utting, 1987a
Visean	NS, Utting (1987a)	Dolby, 1996b
Visean	NS, Utting (1987a)	Dolby, 1996b
Visean	NS, Utting (1987a)	Dolby, 1996b
Tournaisian	Possibly 1D	Dolby, 1991
Tournaisian	possibly 2A	Dolby, 1995a
Tournaisian	possibly 2A	Dolby, 1995a
Tournaisian	presumably 2-3	Dolby, 1995a
Tournaisian	presumably 2-3	Dolby, 1995a
Tournaisian	presumably 2-3	Dolby, 1995a
Tournaisian	presumably 2-3	Dolby, 1995a
Tournaisian	Probably basal Zone 2	Dolby, 2000b
Tournaisian	Probably basal Zone 2	Dolby, 2000b
Tournaisian	Tn1b or Tn2 (Early to middle To	McGregor, 1983
Tournaisian	Upper 3A-3B	Dolby, 1996a
Tournaisian	Zone 2 (undiff.)	Dolby, 2000b
Tournaisian	Zone 2 (undiff.)	Dolby, 2000b
Tournaisian	Zone 2 (undiff.)	Dolby, 2000b

LocRefNo	SampleNo	NTS	Lat(N)	Long(W)	Formation
59	CS00-048I	21 H/15	45° 55' 21.2"	64° 36' 39.1"	Weldon
57	CS00-048G	21 H/15	45° 55' 19.1"	64° 36' 39"	Round Hill

Assemblage/Remarks
Species: Grandispora uncata, Knoxisporites literatus, Pustulatisporites gibberosus (F), Retusotriletes incohatus (A), Spelaeotriletes
Species: Cristatisporites cf. mathewsii, Knoxisporites literatus, Neoraistrickia logani, Retusotriletes incohatus, Spelaeotriletes cabot

Age	Zone	Source Report
Tournaisian	Zone 2 (undiff.)	Dolby, 2000b
Tournaisian	Zone 2 (undiff.)	Dolby, 2000b